

## SEQUENCE LISTING

<110> Xu, Jiangchun  
 Stolk, John A.  
 Algate, Paul A.  
 Fling, Steven P.

<120> COMPOSITIONS AND METHODS FOR THE  
 THERAPY AND DIAGNOSIS OF OVARIAN CANCER

<130> 210121.484C5

<140> US

<141> 2001-04-03

<160> 215

<170> FastSEQ for Windows Version 3.0

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<211> 396

<212> DNA

<213> Homo sapien

<220>

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<222> (1)...(396)

<223> n = A,T,C or G

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ccacagaacc	ttcacgtgta	ttcacagcct	caatgccata	aggaaactct	tttagaagtt	180
ctgacagctg	gtcatgtagg	tataagacag	gtgccttatc	actgtggatt	tcatttcctg	240
caggatcttg	gggagtatag	ttgctggatg	catctatttc	ctgagggtaa	atatcctcct	300
ggncgacgcg	gccgctcgag	tctagagggc	ccgtttaaac	ccgctgatca	gcctcgactg	360
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<210> 2

<211> 396

<212> DNA

<213> Homo sapien

<400> 2

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cgatacttct	gtgacacaga	aggaatgtcc	tatttgcccta	tctatctgag	gaatgttaaa	180
tagagaaaaa	tagattataa	aacaacctgg	aggtcacagg	attctgagat	aatccctctg	240
ttaaaaaaca	tctgaacagc	aaatgtccaa	tctgtaataa	aatagttaaa	ggccaagtc	300
aagtcacttt	ctacttggct	ggcccagcac	aagaaatcta	acagcacttt	gtaatcattt	360
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<212> DNA

<213> Homo sapien

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 <223> n = A,T,C or G

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 gggtgagggg gcatctactc ctnttgcaac aagccaaaag tagaacagcc taaggaaaag 180  
 tgacctgcct tggagcctta gtccctccct tagggccccc tcagcctacc ctatccaagt 240  
 ctgaggctat ggaagtctcc ctccctagttc actagcaggt tcccatctt ttccaggctg 300  
 ccctagcac tccacgtttt tctgaaaaaa totanacagg cccttttttg gtacctaaaa 360  
 ccagctgag gttgtgagct tgtaaggtaa agcaag 396

<210> 4  
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 <223> n = A,T,C or G

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 gccagcctcc tgcgatcaga agagaccaat cgaaaatgag ggtttcacan tcacagctga 180  
 agggaaaggc caaggcacct tgtcggnggn gacaaatgtac catgctaagg ccaaagatca 240  
 actcacctgt aataaattcg acctcaaggt caccataaaa ccagcaccgg aacagaaaaa 300  
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<210> 5  
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 <212> DNA  
 <213> Homo sapien

<220>  
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 <223> n = A,T,C or G

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 tttctcttcc ctctngttta gttgcctgg gagcttgaaa ggagaaagca cnggggtcgc 180  
 cccaaacctt ttctgcttct gcccatcaca agtgccacta ccgccatggg cctcactatc 240  
 tctccctct tctccgact atttggcaag aagcagatgc gcattttgat ggttggattg 300  
 gatgctgctg gcaagacaac cattcttgat aaactgaaag tangganat aagnaccacc 360  
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 <212> DNA  
 <213> Homo sapien

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 <223> n = A,T,C or G

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 ccccgggccc tgccttccc ctggagccat gctggggcct agcccggtc cctcgccggg 180  
 ctccgcccac agcatgatgg ggcccagccc angggcggc ctacgcagga cccccatcc 240  
 ccaccagggg gcctggaggg tacctcagg acaacatgca ccagatgcac aagcccatgg 300  
 agtccatgca tgagaaggc atgtcggacg acccgcgcta caaccagatg aaaggaatgg 360  
 ggatgcggtc agggggccat gctgggatgg ggccc 396

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 <212> DNA  
 <213> Homo sapien

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 ctgccccaaag gcccccgccc ccgctccagc gccgcgcagc caccgcccgc gccgcgcct 180  
 ctcttagtgc gccgccatga cgaccgcgtc cacctcgcag gtgcgccaga actaccacca 240  
 ggactcagag gccgccatca accgccagat caacctggag ctctacgcct cctacgttta 300  
 cctgtccatg tcttactact ttgaccgcga tgatgtggct ttgaagaact ttgccaata 360  
 ctttcttcac caatctcatg aggagaggga acatgc 396

<210> 8  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 8  
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 tgctaccttg gtaggaaact tatttaciaa ccatattaaa aggctaattt aaatataaat 120  
 aatataaagt gctctgaata aagcagaaat atattacagt tcattccaca gaaagcatcc 180  
 aaaccaccca aatgaccaag gcatatatag tatttgagg aatcaggggt ttggaaggag 240  
 tagggaggag aatgaaggaa aatgcaacca gcatgattat agtggtttca tttagataaa 300  
 agtagaaggc acaggagagg tagcaaaggc caggcttttc tttggttttc ttcaaacata 360  
 ggtgaaaaaa aactgcccac tcacaagtca aggaac 396

<210> 9  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 9  
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 tgaattgcac ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg 180

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ggatcatgta cgcgaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt 240
accagtcctt ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc 300
ctctttgtaa cgggccaagg nccaaaaaaa ggggaaagt ctgncctcgg cctcaggcc 360
agggctcgcg accaccatcc tgttcctcaa attagc 396

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<210> 10
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

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<400> 10
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tttttttttn aaaaaaangg gnnnnntttt ttncnnnnn gggngggggg ggggnnnnt 180
ttnaaanaaa aaaccnnaa annnnngggg nnnannnaan ncccncccc naancnntaa 240
aaaannnggn aaanagggg ggnannnnn nnggggggna aaantttttt ttttttnaag 300
ggnnnggnaa aaantnnnn nnnttttttt tttnaanngg gnnaaaaaaa aaaaaaaaaa 360
attttttngg gntnaggggn ngggggaaaa nccna 396

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<210> 11
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<212> DNA
<213> Homo sapien

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<400> 11
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atcaacattg tcgtcattgg acacgtagat tcgggcaagt ccaccactac tggccatctg 120
atctataaat gcggtggcat cgacaaaaga accattgaaa aatttgagaa ggaggctgct 180
gagatgggaa agggctcctt caagtatgcc tgggtcttgg ataaactgaa agctgagcgt 240
gaacgtggta tcaccattga tatctccttg tggaaatttg agaccagcaa gtactatgtg 300
actatcattg atgccccagg acacagagac tttatcaaaa acatgattac agggacatct 360
caggctgact gtgctgtcct gattgttgct gctggg 396

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<210> 12
<211> 396
<212> DNA
<213> Homo sapien

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<400> 12
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gtcttcaagt gacctgtact gcttggggac tattggagaa aataaggtgg agtcctactt 180
gtttaaaaaa tatgtatcta agaattgtct agggcactct gggaacctat aaaggcaggt 240
atttcgggcc ctctctttca ggaatcttcc tgaagacatg gccagtcga aggccagga 300
tggcttttgc tgcggccccg tggggtagga gggacagaga gacagggaga gtcagcctcc 360
acattcagag gcatcacaag taatggcaca attctt 396

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<210> 13
<211> 396
<212> DNA
<213> Homo sapien

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ggccatcgcc	accctgtgct	tcagccccgc	ccacgagacc	catctcttca	cggcctccta	180
tgacaagcgg	atcatcctct	gggacatcgg	ggtgccccac	caggactacg	aattccaggc	240
cagccagctg	ctcacactgg	acaccacctc	tatccccctg	cgctctgcc	ctgtcgctc	300
ctgcccggac	gcccgcctgc	tggccggctg	cgaggggcgg	tgtgctgct	gggacgtgcg	360
gctggaccag	ccccaaaaga	ggaggggtgtg	tgaagt			396

&lt;210&gt; 14

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 14

acggcgctct	cgtggaagtg	acatcgtctt	taaaccctgc	gtggcaatcc	ctgacgcacc	60
gccgtgatgc	ccagggaaga	cagggcgacc	tggaagtcca	actacttct	taagatcatc	120
caactattgg	atgattatcc	gaaatgtttc	attgtgggag	cagacaatgt	gggctccaag	180
cagatgcagc	agatccgcat	gtcccttcgc	gggaaggctg	tgggtgctgat	gggcaagaac	240
accatgatgc	gcaaggccat	ccgagggcac	ctggaaaaca	accagctct	ggagaaactg	300
ctgcctcata	tccgggggaa	tgtgggcttt	gtgttcacca	aggaggacct	cactgagatc	360
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&lt;210&gt; 15

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 15

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cgtaataaag	gaaattcaaa	atgcttgtca	acggggtgaa	acagataaag	actctcatag	240
aaaaaaca	cgaagagcgc	aagacactgc	tcagcaacct	agaagaagcc	aagaagaaga	300
aagaggatgc	cctaaatgag	accagggaat	canagacaaa	gctgaaggag	ctcccaggag	360
tgtgcaatga	gaccatgatg	gccctctggg	aagagt			396

&lt;210&gt; 16

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 16

tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	60
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttngggggg	120
nnnaaanttt	ttntnanan	nnnngggnaa	aaaaaaaaaa	aanaangggg	gnnntnnggc	180
ccnnnanaaa	aaaanngnna	annaancccc	ccnnnnnnnc	ccncnnntnn	ggaaananna	240

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aaaccccccc cngggngggg nnaaaaaannc ccngggggnan tttttatnnn annccccccc 300
ccngggggggg gnggaaaaaaa aaaantnccc ccnannaaaaa nnggggnccc cccnttttnc 360
aaaangggggg nccgggcccc ccnnantntt nggggg 396

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<210> 17
<211> 396
<212> DNA
<213> Homo sapien

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<400> 17
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gaagtttttt tcttcgcagg atttttctga gccttttacc actccagcct agccccctacc 180
ccccaactag gagggcactg gcccccaaca ggcatacacc cgctaaatcc cctagaagtc 240
ccactcctaa acacatccgt attactcgca tcaggagtat caatcacctg agctcaccat 300
agtctaataa aaaacaaccg aaaccaaata attcaagcac tgcttattac aattttactg 360
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<210> 18
<211> 396
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

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<400> 18
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aaanttttnt ttntncttaa aaaaaccctn natntcacna ncaaaaaaaa cnattccnc 180
ntnctttttg tgataaaaaa aaaggcaatg gaattcaach tancctaana aaactttnc 240
tgggaggaaa aaaaatttnt ccnggggaaa cacttggggc tntccaaant gnanccatnc 300
tangaggacc ntctntaaga tttccaaang aaacccttc ctnccaaang nantaccccg 360
ntgcctacnn cccataaaaa aaacctcanc cntaan 396

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<210> 19
<211> 396
<212> DNA
<213> Homo sapien

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<220>
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<222> (1)...(396)
<223> n = A,T,C or G

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<400> 19
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ngaaaaaggn ctgggggnnt cntttacaaa aanggnctgg gncanntttg ggcttaaaan 180
ttcaaaaagg gnncttcaaa nggggttgca tttgcatgtt tcancnctaa ancgngangaa 240
naaacccngg ngncnctgg gaaaagtntt tnanctncca aaanatnaan tntttgnanc 300
aggggnnttt tgggnaaaaa aannanttcc anaaactttc catcccttgg ntttgggttc 360
ggccttgngt tttcggnatn atntcctta angggg 396

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<210> 20

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<211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

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 ccggtctgaa ctcaaatac gtaggacttt aatcggtgaa caaacaacc tttaatagcg 240  
 gctgcncat tgggatgtcc tgatccaaca tcgaggncgt aaaccctatt gttgatatgg 300  
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<210> 21  
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 <212> DNA  
 <213> Homo sapien

<220>  
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 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 21  
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 ctntnataac cctnaacacc cactccctct tanccaatat tgtgcctatt gccatactag 180  
 tntttgcgcg ctgcnaagca gngnggggccc tanccntact agnctcaatc tccaacaacnt 240  
 atggcctana ctacgtacat aacctaacc tactcnaatg ctaaaactaa tcnncccaac 300  
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<210> 22  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
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 <222> (1)...(396)  
 <223> n = A,T,C or G

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 ggacagcaaa ggggtgagaa ggggctgagg gaggaagagc caggaaactg agatcagcag 180  
 agggagccaa gcatcaaaaa acaggagatg ctgaagctgc gatgaccagc atcattttct 240  
 taanagaaca ttcaaggatt tgtcatgatg gctgggcttt cactgggtgt taagtctaca 300  
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 ttggaaagtt atgagattac aaaattcctg aaagtc 396

<210> 23

<211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 23  
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 gaaaaaatgt cagacacaca caaaagtaga atagtaccat ggagtcccca cgtaccagc 180  
 ctgcagcttc aacagttacc acatttgcca accggagaga ctgccaaggc aggaaaaagc 240  
 cctggaaagc ccacggcccc tttttccctt gggtcagagg ccttagagct ggctgccaaa 300  
 gcagccaacc aaaggggcag ctcagtcctt tcgtggcacc agcagtgttc ctgatgcagt 360  
 tgaagagttg atgtctttga caacatacgg acactg 396

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 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 24  
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 taagtataaa tgaatttgca taccaggttt tacacttgca tctctaatag agattaaaaa 180  
 caacaaattg gcctcttcct aagtatatta atatcattta tccttacatt ttatgcctcc 240  
 cctaaatta atgactgagt tgggtggaaag cggctagggt ttattcatac tgttttttgt 300  
 totcaacttc aanagtaato tacctctgaa aaattntan tttaatattn nnnnnnagga 360  
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<210> 25  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 25  
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 caagcattac agactgtaaa atcaattaan aactttctgt atatgaggac aaaaatacat 120  
 ttaanacata tacaanaaga tgctttttcc tgagtagaat gcaaactttt atattaagct 180  
 tctttgaatt ttcaaaatgt aaaataccaa ggctttttca catcagacaa aaatcaggaa 240  
 tgttcacott cacatccaaa aagaaaaaaa aaaaaaanc aattttcaag ttgaagttna 300  
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<210> 26  
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 <212> DNA  
 <213> Homo sapien

<220>



<221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 26  
 gacgctcccc cctccccccg agcgccgctc cggetgcacc gcgctcgctc cgagtttcag 60  
 gctcgtgcta agctagcgcc gtgcgtcgtc cccttcagtc gccatcatga ttatctaccg 120  
 ggacctcacc agccacgatg agatgttctc cgacatctac aagatccggg agatcgcgga 180  
 cgggttggtc ctggaggtgg aggggaagat ggtcagtagg acagaaggta acattgatga 240  
 ctgcgtcatt ggtggaaatg cctccgctga aggccccgag ggcgaaggta cccgaaagca 300  
 cagtaatcac tgnngncnat nttgtcatga accatcacct gcnnгааааа annttnacaa 360  
 aanaancctn cnnnnnannnc ctnnnnnatt ncnnnn 396

<210> 27  
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 <212> DNA  
 <213> Homo sapien

<220>  
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 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 27  
 tttttttttt tttttttttt tttttttttt tttttttttt tggctaaaant ttatgtatac 60  
 nggttnttca aangnggggg aggggggggg gcatccatnt annncncca ggtttatggn 120  
 gggntntnt actattanna ntttncnctt caaancaag gnttntcaaa tcatnaaaat 180  
 tattaanatt ncnctgnta aaaaaangaa tgaaccnncn nanganagga nntttcatgg 240  
 ggggnatgca tcggggnann ccnaanaacc ncggggccat tcccganagg cccaaaaaat 300  
 gtttnnnnaa aaagggtaaa nttaccccn tnaantttat annnnaaann nnannnnnagc 360  
 ccaannnttn nnnnnnnnnn nnnccnnna nnnnnn 396

<210> 28  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 28  
 cgaccttttt tttttttttt atagatgaaa gagggtttat ttattaatat atgatagcct 60  
 tggctcaaaa aagacaaatg aggggtcaaa aaggaattac agtaacttta aaaaatatat 120  
 taaacatatc caagatccta aatatattat tctcccaaa agctagctgc ttccaaactt 180  
 gatttgatat ttgcatgtt ttccctacgt tgcttggtta atatatgtc ttctcctttc 240  
 tgcaatcgac gtctgacagc tgatttttgc tgttttgnca acntgacgtt tcaccttntg 300  
 tttcaccant tctggaggaa ttgttnaaca ncttacaanca ctgccttgaa naaannnnan 360  
 gcctcaaaag ntcttgnnct atnctnnttc ntnnnt 396

<210> 29  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>

<221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 29  
 gacttgctca ttttagagttt gcaggaggct ccatactagg ttcagtctga aagaaatctc 60  
 ctaatgggtgc tatagagagg gaggtaacag aaagactctt ttagggcatt tttctgactc 120  
 atgaaaagag cacagaaaag gatgtttggc aatttgtctt ttaagtctta accttgctaa 180  
 tgtgaatact gggaaagtga tttttttctc actcgttttt gttgctccat tgtaaagggc 240  
 ggaggtcagt cttagtggcc ttgagagttg cttttggcat ttaaattattc taagagaatt 300  
 aactgtattt cctgtcacct attcactant gcangaaata tacttgctcc aaataagtca 360  
 ntatgagaag tcactgtcaa tgaaanttgn tttggt 396

<210> 30  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 30  
 tttttttttt tttttttttg aaatttanaa acaaatttta ttttaagatct gaaatacaat 60  
 toctaaaata tcaacttttc canaaaaccg tggctacaca ataatgcatt gcctctatca 120  
 tgttanaacg tgcattanac tcaaatacaa aaaccatgaa acaaatacacc atccttcaac 180  
 aatttgagca aagatagaat gcctaagaac aacatagatg gacttgcaga ggatgggctg 240  
 ttttacttca agcnccataa aaaaaaaaaa gagcncaaata gcattgggtt ttcaggnta 300  
 tacattaagn ngaacctttg gcactaggaa tcagggcgtt ttgtcacata gcnttaacac 360  
 atnttaaaaa attntgtant gtcaaaggga tangaa 396

<210> 31  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 31  
 gacggggccag ggccatcttg aaagggaact cggcttttcc agaactgtgt ggatcatctg 60  
 tcgggtgtgt ggtgaacacg ttcagttcat cagggcctac gctccgggaa ggggccccca 120  
 gctgtggctc tgccatgccg ggctgtgttt gcagctgtcc gactctccat ccgcctttag 180  
 aaaaccagcc acttcttttc ataagcactg acagggccca gccacagcc acaggtgcga 240  
 tcagtgcctc acgcaggcaa atgactgaa acccaggggc acacnncgc agagtgaaca 300  
 gtgagttccc cagacagccc acgacagcca ggactgccct ccccaacccn ccccgacccc 360  
 angancacgg cacacanntc ancctctnan ctngct 396

<210> 32  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>

<221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

```

<400> 32
cgactggcct cataccttgt ctacacagtc cctgcacagg gttcctaacc tgtgggttagt    60
aaagaatgtc acttttctaac aggtctggaa gctccgagtt tatcttggga actcaagagg    120
agaggatcac ccagttcaca ggtatttgag gatacaaaacc cattgctggg ctgggcttta    180
aaagtcttat ctgaaattcc ttgtgaaaca gagtttcatc aaagccaatc caaaaggcct    240
atgtaaaaat aaccattctt gctgcacttt atgcaaataa tcaggccaaa tataagacta    300
cagttttattt acaatttggt tttacaaaa atgaggacta nagagaaaaa tgggtgctcca    360
aagcttatca tacatttgtc attaagtcct agtctc                                396

```

<210> 33  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

```

<400> 33
cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt    60
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt    120
nngnnntntn nnnnannaaa aaaaaaaaaa aannnnnnna aaaaaaannn nnnnnnnnnt    180
tttnnggggg gnttttnann gnannttnnn ntnnnnnnaa anccccnnng ggnggggggg    240
nntnnnnnng gnaaaaaaan nnnnnggggn cnnnnnggnc cncncccnan nnnnaaaann    300
nnnggntttt ttnnttttna aaaaaanngn nnnnnaacaa aanttttttn nnaanttttn    360
gggggaaann nccntttnt ttttttnnan nnnnnn                                396

```

<210> 34  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

```

<400> 34
acggaccnag ctggaggagc tgggtgtggg gtgcgttggg ctgggtggga ggcctagttn    60
gggtgcaagt angtctgatt gagcttgtgt tgtgctgaag ggacagccct ggggtctaggg    120
ganagagncc ctgagtgtga gaccacactt cccngtccc agccctccc anttccccca    180
gggacggcca ctctctgntc cccgacncaa ccatggctga agaacaaccg caggtcgaat    240
tgttcntgaa ggetggcagt gatggggcca agattgggaa ctgcccattc tcccacagac    300
tgttnatggt actgtggctc aaggnaagtc ccttcaatgt taccaccnnt gacacaaaaa    360
ggcggaccna nacagtgcac aagctgtgcc canngg                                396

```

<210> 35  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 35

tcgacccaaaa	tcaaactctgg	cactcacaag	ccctggccga	cccccaatgg	gttttaccac	60
tccccctcta	gaccctgtct	tgcaaaatcc	tctccctagc	cagctagtat	tttctgggct	120
aaagactgta	caaccagttc	ctccatttta	tagaagttta	ctcactccag	gggaaatggg	180
gagtcctcca	acctcccttt	caaccagtcc	catcattcca	accagtggta	ccatagagca	240
gcaccccccg	ccaccctctg	agccagtagt	gccagcagtg	atgatggcca	cccatgagcc	300
cagtgtctgac	ctggcaccca	agaaaaagcc	caggaaagtc	agcatgcctg	tgaagattga	360
gaaggaaatt	attgataccg	ccgatgagtt	tgatga			396

<210> 36  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 36						
tcgaacgggaa	gagcctgcta	cggtggactg	tgagactcag	tgcactgtcc	tctctccagc	60
gacccccacgc	tggacccccct	gccggaccct	ccacccttcg	gcccccaagc	ttcccagggg	120
cttcttttgg	actggactgt	ccctgctcat	ccattctcct	gccacccccca	gacctcctca	180
gctccaggtt	gccacctcct	ctcgccagag	tgatgaggtc	ccggtctctg	ctctccgtgg	240
cccatctgcc	cacaattcgg	gagaccacgg	aggagatgct	gcttgggggt	cctggacagg	300
agcccccaacc	ctctcctagc	ctggatgact	acgtgaggtc	tatatctcga	ctggcacagc	360
ccacctctgt	gctggacaag	gccacggccc	agggcc			396

<210> 37  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 37						
cgacggtgtc	agcaactggc	catgccacag	cacataaaga	ttacagtgtc	aagaaaaaca	60
ttgtttgagg	attcctttca	acagataatg	agcttcagtc	cccaagatct	gcgaagacgt	120
ttgtgggtga	tttttccagg	agaagaaggt	ttagattatg	gaggtgtagc	aagagaatgg	180
ttctttcttt	tgtcacatga	agtgttgaac	ccaatgtatt	gcctgtttga	atatgcaggg	240
aaggataact	actgcttgca	gataaaccct	gcttcttaca	tcaatccaga	tcacctgaaa	300
tattttcgtt	ttattggcag	atttattgcc	atggctctgt	tccatgggaa	aattcataga	360
cacgggtttt	tcttttccat	tctataagcg	tatctt			396

<210> 38  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 38						
cgacccaaaat	gataaatagc	tttaagaatg	tgctaattgat	aaatgattac	atgtcaattt	60
aatgtactta	atgttttaata	ccttatttga	ataattacct	gaagaatata	tttttttagta	120
ctgcatttca	ttgattctaa	gttgcacttt	ttacccccat	actgttaaca	tatctgaaat	180
cagaatgtgt	cttacaatca	gtgatcgttt	aacattgtga	caaagttaa	tggaacagttt	240
tttcccatat	gtatatataa	aataatgtgt	tttacaatca	gtggcttaga	ttcagtgaat	300
tacagtaatt	cattcaatta	tgatagtatc	tttacagaca	ttttaaaaat	aagttatttt	360
tatatgctaa	tattctatgt	tcaagtggaa	tttgga			396

<210> 39  
 <211> 396

<212> DNA  
<213> Homo sapien

<400> 39  
tcgaccaaga atagatgctg actgtactcc tcccaggcgc cccttcccc tccaatccca 60  
ccaaccctca gagccacccc taaagagata ctttgatatt ttcaacgcag ccctgctttg 120  
ggctgcccctg gtgctgcccac acttcaggct cttctccttt cacaaccttc tgtggctcac 180  
agaacccttg gagccaatgg agactgtctc aagagggcac tgggtggccog acagcctggc 240  
acagggcaag tgggacaggg catggccagg tggccactcc agacccttg cttttcactg 300  
ctggctgctt tagaaccttt cttacattag cagtttgctt tgtatgcact ttgttttttt 360  
ctttgggtct tgtttttttt ttccacttag aaattg 396

<210> 40  
<211> 396  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(396)  
<223> n = A,T,C or G

<400> 40  
tttttttttt ttttgttatt tagtttttat ttcataatca taaacttaac tctgcaatcc 60  
agctaggcat gggagggaac aaggaaaaca tggaaaccaa aggggaactgc agcgagagca 120  
caaagattct aggatactgc gagcaaatgg ggtggagggg tgctctcctg agctacagaa 180  
ggaatgatct ggtggttaan ataaaacaca agtcaaactt attcgagttg tccacagtca 240  
gcaatggtga tcttcttgct ggtcttgcca ttcctggacc caaagcgctc catggcctcc 300  
acaatattca tgccttcttt cactttgcca aacaccacat gcttgccatc caaccactca 360  
gtcttggcag tgcanatgaa aaactgggaa ccattt 396

<210> 41  
<211> 396  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(396)  
<223> n = A,T,C or G

<400> 41  
tcgacctott gtgtagtcac ttctgattct gacaatcaat caatcaatgg cctagagcac 60  
tgactgttaa cacaacgctc actagcaaag tagcaacagc tttaagtcta aatacaaagc 120  
tgttctgtgt gagaattttt taaaaggcta cttgtataat aacccttgct atttttaatg 180  
tacaaaacgc tattaagtgg cttagaattt gaacatttgt ggtctttatt tactttgctt 240  
cgtgtgtggg caaagcaaca tcttccttaa atatatatta cccaaagnaa aagcaagaag 300  
ccagattagg tttttgacaa aacaaacagg ccaaaagggg gctgacctgg agcagagcat 360  
ggtgagaggc aaggcatgag agggcaagtt tgtttg 396

<210> 42  
<211> 396  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature

<222> (1)...(396)  
 <223> n = A,T,C or G

<400> 42

cttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	60
aaaanccnna	nnaanang	gnaannnann	aaaaaannca	aaccncntnt	anaaaangcc	120
nntntnaggg	gggggggttca	aaaccaaang	gnngntngga	ngnaaannna	aaanttnnnn	180
gggggnanaa	anaaaaagg	ngaaaantg	acccnanaan	gaccngaaan	ccgggaaac	240
cnngggntan	aaaaaaagnt	ganccctaaa	nncccccgna	aaanggggga	agggnannnc	300
caaatccnnt	gnngggttggg	ggnggggaaa	aaaaaaaccc	cnaaaaantg	naaaaaaccg	360
ggnttnaaan	atttgggttc	gggggntttn	tnttaa			396

<210> 43  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 43

tttttttttt	ttttgcttca	ctgctttatt	tttgaaatca	caagcaattc	aaagtgatca	60
tcattgaggc	ttctgttaaa	agttcttcca	aagttgccca	gttttaanat	taaacaatat	120
tgcactttta	gatgaactaa	cttttgggat	tctcttcaaa	gaaggaaaag	attgctccat	180
ctgtgctttt	cttanactaa	aagcatactg	canaaaactc	tattttaaaa	atcaacactg	240
cagggtagag	taacatagta	aagtacctgc	ctattttana	atcctanaga	acatttcatt	300
gtaagaaact	agccatttat	ttaagtgtcc	acagtatttt	tcatttcant	ggtccaagat	360
gccaaaggtt	ccaaacacaa	tcttgttctc	taatac			396

<210> 44  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 44

gacctagt	tacctottaa	atatctctgt	tcccttctaa	gttgtttgct	gtgttttctt	60
cagagcaaga	aggttatatt	ttttaaaatt	tacttagtaa	tgcacattca	aaacacacat	120
caagctcttca	ggataaagtt	caaaaccgct	gtcatggccc	catgtgatct	ctccctcccc	180
taccctctta	tcatttagtt	tcttctgcgc	aagccactct	ggcttccttt	cagttttgtg	240
gttcccggtt	ttagctagtt	cagtgggttt	caatgggcat	ttcttgcctt	tttttttcta	300
aacgcacaaat	agaaatacat	cttcttttatt	atcctccaaa	tccaattcag	aggtaatatg	360
ctccacctac	acacaatttt	agaaataaat	taaaaa			396

<210> 45  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 45

tttttttttt	ttttaaannt	tntaaatttt	taatgaaann	ganttagaac	aatgtattat	60
------------	------------	------------	------------	------------	------------	----

```

tnacatgtaa ataaaaaaag agancataa ccccatatnc tcnnnaaagg aaggganacn 120
gongggcctt tatnagaana nnnnncatat aagaccccat taagaagaat ctggatctaa 180
anacttncaa acaggagtgc acagtangtg aacagcannc cctaatecca ctgatgtgat 240
gnttcanata aaatcancan cngtgatcgg gnacnnanc aatntganog gaanannact 300
gctcnatatn tttnaggann cngatgtggt cattttttac aaagataatg gccacaccct 360
tcengnccga atcgancnga netcccnntt ctgtgn 396

```

```

<210> 46
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 46
tttttttttt tttttttttc tganacagag tctcattctg ttgcctaggc tggattgcag 60
tggtgccatc tgggtcact gcaacctccg cctcctgggt tccanaaatt ctctgcctc 120
agcctcccg gtagctgga ctanaggcac acgccaccac gccaggctaa tttttatatt 180
tttagtanan atggcggttc accatgttga ccanactgat ctcgaactcc cgacctcgtg 240
atccacccac ctgcggcctcc caaagtgtg ggattacagg cgtgaaacca ccaggcccgg 300
cctgaaatat ctatttnttt tcagattatt tttaaaattc catttgatga atcttttaaa 360
gtgagctana naaagtgngt gtgtacatgc acacac 396

```

```

<210> 47
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 47
tttttttttt ttttttttgc gttgccaact gtttattcag ggccctgaac ggggtggtgcg 60
tgacatgca acacactcgg gccacagca gcgtgaccgg ccgctcccaa gcccggggcg 120
cacaaccaca gccaggagca gccctgcca ccaactgggc accgtccagg gcccacagg 180
accagccgaa ggtgccccgg gccgaggcca gctgggtcag gtgtaccct agcctggggg 240
tgagtgagga gcggcacccc cagtatcctg tgtaccccaa gttgccagn aggccgaggg 300
ggccttgggc tccatctgca ctggccaccc cgtgccaaag atcacagctg cgtgagcagg 360
tttgtgtgtg agcgtgtggc .ggggcctggt tgtccc 396

```

```

<210> 48
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 48
ctgggcctgt gccgaagggt ctgggcagat cttccaaaga tgtacaaaat gtagaaattg 60

```

```

ccctcaagca aatgcaaaga tgctcaacac ccttagtcat caagaaaatg caaatggaat 120
ccacagagag atactgcaca ctgacaaaga tggctgtatt actaaagggtg aataaccagc 180
gcgggggggca cgtggagtca ctggaacatt tgtgcaatgc tgggtgggaat gtcaaccgct 240
gcggccctct ggaataagcc tggcagctcc tccaagagtt acccgtgtga cccagcaatt 300
ccaactcctag ctccaccac aggaattgaa agcaaagacg caaacagatg cctgtgcacc 360
aaagttcacg gcagcatcct tcgccatagt ggnaan 396

```

```

<210> 49
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 49
accccaaaat gggaaaggaa aagactcata tnaacattgn cgtnattgga cacgtacatt 60
cggncagtn caccactact ggncatntga tntataaatg cggngggcatc gacanaanaa 120
ccatngnaan atttganaag gaggtctgtg atatnggaaa gggctccntc nantntgcct 180
gggtcttgga tnaactgaaa nctganctg aacgtggmnt caccattgat atctncttgt 240
ggaaatntna gaccancann tactatgtna ctatcattga tgccccagga cacaganact 300
ttatcnaaan catgattacn nggacatnta nagctgactg tgctngcctg attgtngctg 360
ctggtgttg tgaatttgaa nctggatatnt ccaana 396

```

```

<210> 50
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 50
cgacttcttg ctggtgggtg gggcagtttg gtttagtggt atacttttgt ctaagtatit 60
gagttaaact gcttttttgc taatgagtgg gctggttggt agcaggtttg tttttcctgc 120
tgttgattgt tactagtggc attaaacttt agaatttggt ctggtgagat taattttttt 180
taatatccca gctagagata tggcctttta ctgacctaaa gaggtgtgtt gtgatttaat 240
tttttccgt tcttttttct tcagtaaacc caacaatagt ctaaccttaa aaattgagtt 300
gatgtcctta taggtcacta cccctaaata aacctgaagc aggtgttttc tcttgacat 360
actaaaaaat acctaaaagg aagcttagat gggctg 396

```

```

<210> 51
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 51
tttttttttt ttcagcgngg atttatttta tttcattttt tactctcaag anaaagaana 60
gttactattg caggaacaga cattttttta aaaagcgaaa ctcttgacac ccttaaaaca 120
gaaaacattg ttattcacat aataatgngg ggctctgtct ctgccgacag gggctgggtt 180
cgggcattag ctgtgccgtc gacaatagcc ccattcacc cttcataaa tgctgtgtct 240
acaggaaggg aacagcggct ctccanaga gggatccacc ctggaacacg agtcacctcc 300
aaagagctgc gactgtttga naatctgcc anaggaaaac cactcaatgg gacctggata 360

```



accagggccc gggagtcata gcaggatgtg gtactt

396

<210> 52  
<211> 396  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(396)  
<223> n = A,T,C or G

<400> 52  
acctogetaa gtgttcgcta cgcggggcta ccggatcggg cggaatggc agaggtggag 60  
gagacactga agcgactgca nagccagaag ggagtgcagg gaatcatcgt cgtgaacaca 120  
gaaggcattc ccatcaagag caccatggac aaccccacca ccaccagta tgccagcctc 180  
atgcacagnt tcatcctgaa ggcacggagc accgtgcgtg acatcgaccc ccagaacgat 240  
ctcaccttcc ttcaaatcgc ctccaagaaa aatgaaatta tggttgcacc agataaagac 300  
tatttcttga ttgtgattca gaatccaacc gaataagcca ctctcttggc tccctgtgtc 360  
attccttaat ttaatgcccc ccaagaatgt taatgt 396

<210> 53  
<211> 396  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(396)  
<223> n = A,T,C or G

<400> 53  
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120  
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180  
tttttttttt tttttttttt tttttttttt tttttttttt ttanntntt tttnttttn 240  
cctttntttt aattcanaaa aagaanaaga aaanataana nnnancnnan nnnnnnnatn 300  
ntncttnata ntnnttnnnn nanngggnnn gcgagnnnnn nnnnnnnnnn nntctnnnnn 360  
tnnnnnnctt gcnccccttn nnttngnnnn angcaa 396

<210> 54  
<211> 396  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(396)  
<223> n = A,T,C or G

<400> 54  
ctcttggggc tgctgggact cgcgtcgggt ggcgactccc ggacgtaggt agtttgttgg 60  
gccgggttct gaggccttgc ttctctttac ttttccactc taggccacga tgccgcagta 120  
ccagacctgg gaggagtcca gccgcgtgc cgagaagctt tacctcgctg accctatgaa 180  
ggcacgtgtg gttctcaaat ataggcattc tgatgggaac ttgtgtgtta aagtaacaga 240  
tgatttagtt tgtttggtgt ataaaacaga ccaagctcaa gatgtaaaga agattgagaa 300  
attccacagt caactaatgc gacttatggt agccaaggaa gcccgcaatg ttaccatgga 360

aactgantga atggtttgaa atgaagactt tgtcgt 396

<210> 55  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 55  
 cgacggtttg ccgccagaac acaggtgtcg tgaaaactac ccctaaaagc caaaatggga 60  
 aaggaaaaga ctcatatcaa cattgtcgtc attggacacg tagattcggg caagtcacc 120  
 actactggcc atctgatcta taaatgcggt ggcacgcaca aaagaacat tgaaaaattt 180  
 gagaaggagg ctgctgagat gggaaagggc tccttcaagt atgcctgggt cttggataaa 240  
 ctgaaagctg agcgtgaacg tggatcacc attgatatct ccttgtggaa atttgagacc 300  
 agcaagtact atgtgactat cattgatgcc ccaggacaca gagactttat caaaaacatg 360  
 attacagga catctcaggc tgactgtgct gtccgt 396

<210> 56  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 56  
 tttttttttt ttttttctca ttttaactttt ttaatgggtc tcaaaattct gtgacaaatt 60  
 tttggtcaag ttgtttccat taaaaagtac tgatttttaa aactaataac ttaaaactgc 120  
 cacacgcaaa aaanaaaacc aaangngtcc acaaaacatt ctcttttct tctgaagggt 180  
 ttacgatgca ttgttatcat taaccagtct tttactacta aacttaaatg gccattgaa 240  
 acaaacagtt ctganaccgt tcttcacca ctgattaana gtggggtggc aggtattagg 300  
 gataatattc atttagcctt ctgagcttct tgggcanact tggngacct gccagctcca 360  
 gcagccttnt tgtccactgc tttgatgaca cccacc 396

<210> 57  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 57  
 cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt tnaaaanntt 60  
 ntttttgcaa anccnancaa aaangngngg aangaaaaan nggaaaaatt ntttttnct 120  
 ntttggaac nnnnagccct tnntttgaaa aaangnggnc ttaaaanngn tgaannaaag 180  
 gnnanncccn gntncttnnn tttaaaaaana anggggnggn ttttttttaa anaanatttt 240  
 ttttttccct aanancnncn anntgaaacn ngncnncn nctnncttna aagggnnaa 300  
 atnanangnn aaaaaanccc tnanccccc cccttanntt tncnannana naaagnctt 360  
 ttgggnctg naaaaaaan ctttttntt gcnttn 396

<210> 58  
 <211> 396  
 <212> DNA

<213> Homo sapien

<400> 58

cgacctcaaa	tatgccttat	tttgcacaaa	agactgccaa	ggacatgacc	agcagctggc	60
tacagcctcg	atztatat	ctgtttgtgg	tgaactgatt	ttttttaaac	caaagtttag	120
aaagagggtt	ttgaaatgcc	tatggtttct	ttgaatggta	aacttgagca	tcttttcact	180
ttccagtagt	cagcaaagag	cagtttgaat	tttcttggcg	cttccatca	aaatattcag	240
agactcgagc	acagcaccca	gacttcatgc	gcccgtggaa	tgctcaccac	atgttggctg	300
aagcgggcga	ccactgactt	tgtgacttag	gcggtgtgt	tgcttatgta	gagaacacgc	360
ttcaccccca	ctccccgtac	agtgcgcaca	ggcttt			396

<210> 59

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 59

cttttttttt	tttttttttt	tcagnggaaa	ataactttta	ttganacccc	accaactgca	60
aaatctgttc	ctggcattaa	gtcccttctt	ccttttgaat	tgggtctttc	ttcagnggtc	120
ccatgaatgc	tttcttctcc	tccatggtct	ggaagcgggc	atggccaaac	ttggaggngg	180
tgtcaatgaa	cttaaggnca	atcttctcca	nagcccgccg	cttcttctgc	accancaagg	240
acttgcgag	ggngagcacc	cgcttnttgg	ttcccaccac	ncagcctttc	agcatgacaa	300
agtcattggt	cacttcacca	tagnggacaa	agccacccaa	aggggtgatg	ctccttggca	360
aataggncat	agtcacngga	ggcattgtnc	ttgatc			396

<210> 60

<211> 396

<212> DNA

<213> Homo sapien

<400> 60

acctcagctc	tggcgccacg	gcccagcttc	cttcaaaatg	tctactgttc	acgaaatcct	60
gtgcaagctc	agcttgagg	gtgatcctc	tacaccccca	agtgcataatg	ggtctgtcaa	120
agcctatact	aactttgatg	ctgagcgga	tgctttgaac	attgaaacag	ccatcaagac	180
caaagggtgtg	gatgaggtca	ccattgtcaa	cattttgacc	aaccgcagca	atgcacagag	240
acaggatatt	gccttcgcct	accagagaag	gacaaaaaag	gaacttgcat	cagcactgaa	300
gtcagcctta	tctggccacc	tggagacggt	gattttgggc	ctattgaaga	cacctgctca	360
gtatgacgct	tctgagctaa	aagcttccat	gaaggg			396

<210> 61

<211> 396

<212> DNA

<213> Homo sapien

<400> 61

tagcttgtcg	gggacggtaa	ccgggacccg	gtgtctgctc	ctgtcgctt	cgctctctaa	60
tccctagcca	ctatgcgtga	gtgcatctcc	atccacgttg	gccaggctgg	tgtccagatt	120
ggcaatgcct	gctgggagct	ctactgctg	gaacacggca	tccagcccga	tggccagatg	180
ccaagtgaca	agaccattgg	gggaggagat	gactccttca	acaccttctt	cagtgcagacg	240
ggcgctggca	agcagctgcc	ccgggctgtg	ttttagact	tggaaaccac	agtcattgat	300
gaagtgcga	ctggcaccta	ccgcagctc	ttccaccctg	agcagctcat	cacaggcaag	360
gaagatgctg	ccaataacta	tgcccggagg	cactac			396

<210> 62  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 62  
 tcgacgtttc ctaaagaaaa ccactctttg atcatggctc tctctgccag aatttgtgtgc 60  
 actctgtaac atctttgttg tagtcctgtt ttccctaataa ctttggtact gtgctgtgaa 120  
 agattacaga ttgaacatg tagtgtacgt gctgttgagt tgtgaactgg tgggcggtat 180  
 gtaacagctg accaacgtga agatactggt acttgatagc ctcttaagga aaatttgctt 240  
 ccaaatttta agctggaaag nactggant aactttaaaa aagaattaca atacatggct 300  
 ttttagaatt tcnttacgta tgtaagatt tnggtacaaa ttgaantgtc tgnctganc 360  
 ctcaaccaat aaaatctcag tttatgaaan aaannn 396

<210> 63  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 63  
 ttnttttttt ntntntnttt ttntcnttgn ttgnacngaa cccggcgctn ntccccacn 60  
 nnnnacggcc gccentatto annntnctt canntannna ccgcaccctc ggactgennn 120  
 tngggccccc ccgncnannc ncnncnccc anttncgcgc cgccgcggcc gcccttttttt 180  
 attggcnnc atnanaaccg gggncacctc ncangngcgc cnaaantngg ggcangactc 240  
 anagggggcc atcaaccncc aagnncaanc tgganctcta caaacggcct acgntttntg 300  
 nccatgnggg tagggnttta cccgcnatga tgannatgnn aanaactttt ncaanccctt 360  
 tattaaccaa tgnggtgngg agacggaacn tggtta 396

<210> 64  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 64  
 tcgacgtcgg ggtttcctgc ttcaacagtg cttggacgga acccgcgctc cgttccccac 60  
 cccggccggc cgcccatagc cagccctccg tcacctcttc accgcaccct cggactgccc 120  
 caaggccccc gccgcgcgtc cagcgcgcgc cagccaccgc cgccgcggcc gccntnctt 180  
 agtcgccgcg atgacgaccg cgtccacctc gcaggtgcgc cagaactacc accaggactc 240  
 agaggccgcc atcaaccgcc agatcaacct ggagctctac gcctcctacg ttacacctgc 300  
 catgtcttac tactttgacc gcgatgatgt ggctttgaan aactttgcca aatactttct 360  
 tcccaatctc atgaggagaa ggaacatgct ganaaa 396

<210> 65  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 65  
 tttttttttt tttttttttt ttttttnacca ataatgcttt tatttttccac atcaanatta 60  
 atttatatgt tagtttttagt acaagtacta aaatgtatac ttnttgcctt aatagctaag 120  
 gnatacataa gcttcacccat acatnttgca nccnccgtgc tgtccctatgt cattgtttata 180  
 aatgtanana ttttaggaaa ctntttttatt caacctggga catntatact gtaggagtta 240  
 gcactgacct gatgtnttat ttaaaagtaa tgnatattac cttttacatat attcctttata 300  
 tattnaaacg tatttccatg ttatccagct taaaatcaca tggnggttaa aagcatgagt 360  
 tctgagtcaa atctgggactg aaatcctgat gctccc 396

<210> 66  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 66  
 togacttttt tttttccagg acattgtcat aatttttttat tatgtatcaa attgtcttca 60  
 atataagtta caacttgatt aaagttgata gacatttgta tctattttaa gacaaaaaaa 120  
 ttctttttatg tacaatatct tgtctagagt ctagcaaata tagtaccttt cattgcagga 180  
 tttctgctta atataacaag caaaaacaaa caactgaaaa aatataaacc aaagcaaacc 240  
 aaaccccccg ctcaactaca aatgtcaata ttgaatgaag cattaaaaga caaacataaa 300  
 gtaacttcag cttttatcta gcaatgcaga atgaatacta aaattagtggt caaaaaaaca 360  
 aacaacaaac aacaacaaaa acaaaaacaaa caaaca 396

<210> 67  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 67  
 acgctttttgt ccttcatttt aactgttatg tcatactgtt atgttgacat atttctttat 60  
 aagagaatag aggcaaaagt atagaactga ggatcatttg tatttttgag ttggaaatta 120  
 tgaaacttca ccatattatg atcacacata ttttgaagaa cagactgacc aaagctcacc 180  
 tgtttttttgt gtttaggtgct ttggctgaac ttgattccag cccctttttc cctttggtgt 240  
 tgtgtatgtc tcttcatttc ctctcaaadc ttcaactctt gccccatgtc tccttggcag 300  
 caggatgctg gcatctgtgt agtcctcata ctgtttactg ataaccacaa aattcatttt 360  
 catggcgagc ctaagctcag accctgcctt gtcctg 396

<210> 68  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 68  
 acctgagtc tgtcctttct ctctccccgg acagcatgag cttcaccact cgctccacct 60  
 tctccaccaa ctaccggtcc ctgggctctg tccaggcgcc cagctacggc gcccggcggg 120  
 tcagcagcgc ggccagcgtc tatgcaggcg ctgggggctc tggttcccgg atctccgtgt 180

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cccgcctccac cagcttcagg ggcggcatgg ggtccggggg cctggccacc gggatagccg 240
gggggtctggc aggaatggga ggcattccaga acgagaagga gacctgcaa agcctgaacg 300
accgcctggc ctcttacctg gacagagtga ggagcctgga gaccgagAAC cggaggctgg 360
agagcaaaat ccgggagcac ttggagaaga agggac 396

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<210> 69
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 69
ntcnengnng ntgtggtntt ttttttaatt tttatntttt cttttttttt ctngctagcn 60
cttncctttt ttggaattnc ggtncctttt tntntcnatt ttttngacaa aaanaacctn 120
ttnttttnana ccanagnnng gnnacnctt nnaatntncc ccttttncgn tngggagctn 180
cnctttnnnc gccnacntca ntgcagacng tncctttnnn tnnancannn tnngtncgtt 240
gnengenttn ntncannant nttccctatn nacntgnnt cncncatntt tggacnancn 300
cctagccttn ccatnttttn ntntttntn natnancctn gaaaacntcn gnnttttcnc 360
nncnttnccn cncnncctt cntatgtncn atgncn 396

```

```

<210> 70
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 70
tttttttttt tttntttttt tttttttttt tttttttntt tttttttttt tttttntnc 60
aannntnaa cttttaanng gccncngcn ccccaanggg gacctgctt ttgnnggcta 120
aatgccnaa aactttgggg nantnggtat naaaccncn tttgccnnc annttncngg 180
gggggggggg tttttgnngg ggaacangna naacttttn ncnanggnat caccaaaaan 240
aaagcccnnc cctttttccn annngggggg ggngggggga aantcanccc ccanattgac 300
cttnatttca aaanggggct tataatcctg ggcntggann cttccctnta cccggggggt 360
gnccacnttt tattanaggg gnangnggat cccent 396

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<210> 71
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 71
gcatttagag ggcngtttta ntctagaggn ccngntaaa cnnnnncatc nacctnctnt 60
gcncctgctn gttgcncccc ntctgtgntt tgcnnncccc nngagcgtnc cttnaccnnn 120
gaangtgcct nnnnnactga nnnnnncnna taanatnggg anantncgtc gncattntnt 180

```

```
<210> 72
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 73
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 74
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 74

cctttttttt	tttttttact	gnngaatatat	acttttttatt	tagtcatthtt	tgthttacaat	60
tgaactctg	ggaattcaaa	attaacatcc	ttgccgtga	gcttctttata	gacacanaa	120
aaagtttcaa	ccttggtgttc	cacattgttc	tgctgtgctt	tgtccaaatg	aacctttatg	180

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agccggctgc catctagttt gacgcggatt ctcttgccca caatttcgct tgggaagacc 240
aagtcctcaa ggatggcatc gtgcacagct gtcagagtac ggctcctggg acgcttttgc 300
ttattttttg tacggctttt tcgagttggc ttaggcagaa ttctcctctg agcgataaag 360
acgacatgct tcccactgaa ctttttctcc aattcg 396

```

```

<210> 75
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 75
tttttttttt tttntttttt tttttttttt tttttttnaa ntntaanggg gangggccct 60
tttttttaaa ctngncntt ttnccttctt tttttnaaaa ggaaaaaaaa anntttnttt 120
ttcntnaaaa aacctttttt cccacnaaca aaaaaaacn ttccccntnc cttttnnna 180
aaaaaaaaag gctnggnntt tccccttann caaaaaaacn tntccnnggg naaaaaantt 240
ntcncggggg gggaaacnnn tgggggtgtn nccnaaattt gggggccttc ggaagggggg 300
nccncncctt aaagangtnt ttcaaaaana aaaccccntt cctntntnta aaanaaaaaa 360
aaanaangnn ngnttttttt ntctntncc ccccaa 396

```

```

<210> 76
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 76
acattcttca gaaatacagt gatgaaaatt cattttgaaa ctcaaattatt ttcatttttg 60
atattctcct gtttttatta aaccagngat tacncctggc cntccctnta aatgttctag 120
gaaggcatgt ctgttgtnnt tttnnnnaaaa nnaaatntt tttttttngn naaaccccaa 180
atcccanttt atcaggaagt tagncnaatg aaatggaaat tggntaatgg acaaaagcta 240
gcttgtaaaa aggaccaccc nccacnngn ctttaccocc ttggttngtt gggggaaaaa 300
ccatntttaa cntntgggn aaaattgggn ncntaaagt tncntggna acagtncntn 360
cngtattnaa ttgncnttat nggaaaatcn gggatt 396

```

```

<210> 77
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 77
tttttttttt tttttttttt tttttttttt tatcaacatt tatatgcttt attgaaagtt 60
ganaanggca acagttaaat ncngggacnc cttacaattg tgtaanaaac atgcncanaa 120
acatatgcat ataactacta tacaggngat ntgcaaaaac ccctactggg aaatccattt 180

```



cattagttan	aactgagcat	ttttcaaagt	attcaaccag	ctcaattgaa	anacttcagt	240
gaacaaggat	ttacttcagc	gtattcagca	gctanatttc	aaattacnca	aagngagtaa	300
ctgngccaaa	ttcttaaaat	ttnttttaggg	gnggtttttg	gcatgtacca	gttttttatgt	360
aatctatnt	ataaaaagtc	acacctcctc	anacag			396

&lt;210&gt; 78

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 78

agctggcnaa	aggngnatgn	gctgcnango	gattangnnn	ggtaacgtca	nnggntnncc	60
agtgcangac	nttgtaaaac	gacggccaca	tgaattgtaa	tacgactcac	tatngggcgn	120
attgggccgt	gnaggatngt	gntcacactc	gaatgtatnc	tggcngatnc	ananngcttt	180
atngctnttg	acggngnntn	anccanctng	ggcttttaggg	ggtatccctt	cgcccttget	240
tenttgattt	gcacgggcnn	ctccganttc	cttcataata	ccngacgctt	cnatccccta	300
gctcngacct	ntcantntnt	tcnntgggtt	ntnnccgntc	acngcttncc	cgnangntat	360
aatctnngct	cctttnggga	tccattantc	tttact			396

&lt;210&gt; 79

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 79

caccaaccaa	aacctggcgc	cgttggcatc	gtagagtga	cacaacccaa	aaacgatacg	60
ccatctgttc	tgccctggct	gcctcagccc	taccagcact	ggtcattgtc	aaaggnccatc	120
gtattgagga	agttcctgaa	cttccttttg	tangttgaag	ataaagctga	aggctacaag	180
aagaccaang	aagntgtttt	gctccttaan	aaacttanac	gcctggaatg	atatcaaaaa	240
ngctatgcct	ctcagcgaat	gagactggan	angcaaaatg	agaaacntc	nccgcatcca	300
gcgnaggggc	cgtgcatctc	tatnntgang	atnntgggan	cnttcaaggc	cttcagaacc	360
tcctctngaaa	tnctctnctt	taangaacca	aactgn			396

&lt;210&gt; 80

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 80

tgtacatagg	catcttattc	actgcaccct	gtcacaccca	gcaccccccg	ccccgcacat	60
tatttgaaag	actgggaatt	taatggtttag	ggacagtaaa	tctacttctt	tttccaggga	120
cgactgtccc	ctctaaagtt	aaagtcaata	caagaaaact	gtctattttt	agcctaaaag	180

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aaaggctgtg aagaaaattc attttacatt gggtagacag taaaaaaca gtaaaataac 240
ttgacatgag caccttttaga tctttccctt catggggctt tgggccaga atgacctttg 300
aggcctgtaa anggattgna atttcctata agctgtatag tggagggatt ggnnggtcat 360
ttgagtaagc cctccaagat acnttcaata cctggg 396

```

```

<210> 81
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 81
gcagctgaag ttcagcaggt gctgaatcga ttctcctcgg cccctctcat tccacttcca 60
accctccca ttattccagt actacctcag caatttgtgc cccctacaaa tgtagagagac 120
tgtatacgcc ttcgaggtct tccctatgca gccacaattg aggacatcct gcatttcctg 180
ggggagttcg ccacagatat tcgtactcat ggggttcaca tggttttgaa tcaccagggg 240
ccgccatcag gagatgcctt tatccagatg aagtctgcgg acagancatt tatggctgca 300
cagaagtggc ataaaaaaaa catgaaggac agatatgttg aagttttcag tgtcagctga 360
nganagaaca ttgnggtann nggggggnact ttaaat 396

```

```

<210> 82
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 82
gactcagaaa tgtcagtctc atgaagttca aaagatcgag aatgtttgct atcttggtgg 60
agcagccgca gccaaagcaag taacttgtaa aatgaggaat gccatcacco ctgagtgctc 120
catccacat aacttggggg tagagcaca gcgttccag gaactactca ccttaccatc 180
ttggccgttt catttgcttc caccagttct ggaaagagan ggccatagaag ttcaaaaaaa 240
aagtaggaaa ngtgcttttg gagaaaatca cctgctcctc agaactgggc ttacaanctg 300
ngaagtaacn tatgtgccac ctaatcctca tatatgacct caagagacnc caataagcat 360
atttccacca cggaatgacc agtgctttgg gtaana 396

```

```

<210> 83
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 83
tttgatttaa ganatttatt atttttttaa aaaaagcaac ttccaggggt gtcattgtac 60
aggttttgcc cagtctccta tagcatggta tagtgataac tgatttttta taacaatgac 120
tcagaggcat tgaagatcca taactatcct ctgaattatc acagaaagaa gaaagttaga 180

```

```

agagttaaag  gtttaagtgt  ttaaaaaatca  tatttctaatt  cttttaattt  ggttatctga      240
gtatgataat  ataggagagc  tcagataaca  aggaaaaggc  attggggtaa  gaacactcct      300
tcccacagga  tggcattaac  agactttttc  tgcataatgct  ttatatagtt  gccaaactaat     360
tcacctttta  cncagcttna  ttttttttta  ctnggg      396

```

```

<210> 84
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 84
tttttacagc  aatttttttt  tattgatggt  taacctgtat  acaaccatac  ccattttaag      60
ngtacagaca  aatgaatttt  gacaaattca  ttactcatc  taatcatcac  tataaccatg     120
atacagattt  ttactactcc  aaaagtccat  cctgtgctct  tttcaagtcc  atcctcctca     180
tctgataccc  caagccacca  ttgttttgct  ttctggaact  acagttttgg  gnttttagaa     240
tttcatatat  ggtngaatac  taccatttgn  natttggggc  tgacgncctt  cctccaataa     300
tggatttgag  aattatctac  attttgcatg  gatcctgggt  tatttatacc  aacnanggggt    360
tattatgnaa  aatnggacca  caatttgng  gcanata      396

```

```

<210> 85
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 85
cagtgaacgt  gctcctaccc  agctctgctc  cacagcgccc  acctgtctcc  gccctcggc      60
ccctcgcccc  gctttgcta  accgccacga  tgatgttctc  gggtttcaac  gcagactacg     120
aggcgctatc  ctcccgctgc  agcagcgctg  ccccgccggg  ggatagcctc  tcttactacc     180
actcacccgc  agactccttc  tcagcatgg  gctcgctgc  aacgcgcagg  acttctgcac     240
ggacctggcc  gctccagtgc  caacttcatt  ccacggcaact  gcatctcgac  canccggact     300
tgcanngggt  ggggaanccg  cccttgtttc  tccgtggccc  atctaanacc  aaaccntca      360
ccttttcgga  gncccnccc  ctccgntggg  nttact      396

```

```

<210> 86
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 86
tttttnactg  aatgtttaat  acatttgnag  gaacagaaga  aatgcagtan  ggattaanat      60
tttataatta  gacattaatg  taacagatgn  ttcatTTTTc  aaagaagntn  ccccttntc      120
cctatctttt  tttaatcttc  ctanagcaa  taantagtaa  ttactatatt  tgtggacaag      180

```

ctgctccact	gtgntggaca	gtaattatta	aatctttatg	tttcacatca	ttattacctt	240
ccanaattct	accttcattt	cctgcacag	gttactgga	ctggntcaca	ancaaattgn	300
actccactca	antanaagag	cccaaagaaa	ttagagtaac	gncnancct	atgaattana	360
gacccaaaga	tttnaggngn	tgattagaaa	cataan			396

<210> 87  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 87						
atggaggcgc	tggggaagct	gaagcagttc	gatgcctacc	ccaagacttt	ggaggacttc	60
cggttcaaga	cctgcggggg	cgccaccgtg	accattgtca	gtggccttct	catgctgcta	120
ctgttctgt	cagagctgca	gtattacctc	accacggagg	tgcctcctga	gctctacgtg	180
gacaagtgc	ggggagataa	actgaagatc	aacatcgatg	tactttttcc	ncacatgcct	240
tgtgcctatc	tgagtattga	tgccatggat	gtggccngag	aacancagct	ggatgnggaa	300
cacaacctgt	ttaagccacc	actagataaa	gatgcatccc	ngtgagctca	nagctgagcg	360
gcatgagctt	gngaaantcn	aggtgaccgg	gtttga			396

<210> 88  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 88						
tccagagcag	agtcagccag	catgaccgag	cgcgcgtcc	ccttctcgct	cctgcggggc	60
cccagctggg	accccttcg	cgactggtac	ccgcatagcc	gctcttcgac	caggccttcg	120
ggctgccccg	gctgcgggag	gagtggctgc	agtggttagg	cggcagcagc	tgccaggct	180
acgtgcgcc	cctgcccccc	gccgcatcga	gagccccga	gtggccgcgc	ccgctacagc	240
cgcgngctc	agccggcaac	tcacancggg	gctcggagat	ccgggacact	gcggaccgct	300
ngcgcgtgcc	ctggatgtca	ccactttngc	ccggacaact	gacggtnana	caaggatggg	360
gggtgganan	nccngtaanc	caagaanggg	naggac			396

<210> 89  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 89						
gagagaacag	taaacatcca	gccttagcat	ctctcangag	tactgcagat	cttcattagc	60
tatattcaca	tgagnaatg	ctattcaacc	tatttctctt	atcaaaaacta	attttgatt	120
ctttgaccaa	tgttcctaaa	ttcactctgc	ttctctatct	caatcttttt	cccccttctc	180

atcttttcctc	cttttttcag	tttctaactt	tcaactgggtc	tttggaatgn	ttttttcttc	240
atctctttttc	ttttacattt	tgggggtgtcc	cctctctttt	cttaccctct	ttctncatcc	300
ttcttntttct	tttgaattgg	ctgcccttta	tctctctcatc	tgctgncatc	ttcattttctc	360
ctccctcctn	tttccnntca	ttctactctc	tccent			396

<210> 90  
 <211> 396  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

ggcgccggc	gcgcccccc	acccccgcc	cacgtctcgt	cgcgcgcgcg	tccgctgggg	60
gcggggagcg	gtcgggcgcg	cngcggtcgg	ccggcggcag	ggtggtgcgn	tttcnttttn	120
nattnnccnc	nttcttcttn	ntnnnnnnnn	ctnntanncn	ntnnctttcn	cnnntttnc	180
tntntcttna	cnnnttttn	taatctctt	ctnctnnnn	tctcttnnat	ntntnctta	240
nttcctnnnn	ttntttctnt	cntttctcnc	ctnnntctcn	nnctcnnnc	tcnncatttt	300
nnntttttnt	nccttctnnt	cttntttctn	ntntntnttt	nnntttctnt	tnntcatntt	360
ncctntntta	ctntcanctt	ntatnnnctt	cntttt			396

<210> 91  
 <211> 396  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

ntntccttna	tttttnnntc	nncttttttt	tnnaattttt	cttnttttttn	tttataaaaa	60
tcnncacnta	aaacngcgga	anaggggatt	tntntttngg	gngtancncn	nggccncaaa	120
naacccccaaa	aatancccaa	aatgcacagg	nccngggnaa	angaccnacb	tgggtntttt	180
ntttntnaac	aagggggggt	ttaaagggna	tnggnatcaa	agggnataaa	ntttaaacct	240
ttganaaaatt	ttttaanagg	cttgcccccc	actttggnc	ccnccccnnc	gnngggatcc	300
aatttttttt	cnttgggggt	cccnngcccn	nannttcgg	gttnntggnc	nntcctnntt	360
tttttttttt	tgccttcacc	cntnccattn	cntttt			396

<210> 92  
 <211> 396  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

ctnttttnnt	ntttttttcc	ccatcatcca	naaatgggtt	ttattctcag	ccgagggaca	60
gcaggactgg	taaaaactgt	caggccacac	ggttgctg	acagcacc	catgcttgg	120
aggggggtgg	agggatggcg	ggggctggnt	gnccacaggc	cgggcatgac	aaggaggctc	180

actggagggtg	gcacactttg	gagtgggatg	tcgggggaca	ncttcttttg	tanttgggcc	240
acaagattcc	caaggatanc	acnnnnactg	attnccannc	tanagncaag	cggnrtggcca	300
tntgtangnn	nttntntatn	tgactattta	tagattttta	tanaacaggg	naagggcata	360
ccncaaaagg	gnccaanttt	ttaccnccgg	gcnccc			396

<210> 93  
 <211> 396  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 93						
gctgccacag	atctgttcc	ttgtccgttt	ttgggatcca	caggccctat	gtatttgaag	60
ggaaatgtgt	atgggtcaga	tcctttttga	aacatatcat	acaggttgca	gtcctgaccc	120
aagaacagtt	ttaatggacc	actatgagcc	cagttacata	aagaaaaagg	agtgtctacc	180
atgtttctcat	ccttcagaag	aatcctgcga	acggagcttc	agtaatatat	cgtggcttca	240
catgtgagga	agctacttaa	cactagttac	tctcacaatg	aaggacctgn	aatgaaaaat	300
ctgnttctaa	ccnagtccn	tttanatttt	agnncanac	cagaccancg	ncggtgctcg	360
agtaattctt	tcattgggacc	tttggaatac	tttcag			396

<210> 94  
 <211> 396  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 94						
tgccttaacc	agtctctcaa	gtgatgagac	agtgaagtaa	aattgagtgc	actaaacgaa	60
taagattctg	aggaagtctt	atcttctgca	gtgagtatgg	cccaatgctt	tctgnnggcta	120
aacagatgta	atgggaagaa	ataaaagcct	acgtgtttgt	aaatccaaca	gcaagggaga	180
tttttgaatc	ataataactc	atanngtgct	atctgtcagt	gatgccctca	gagctcttgc	240
tgntagctgg	cagctgacgc	ttctangata	gtagnttgg	aatggtctt	cataataact	300
acacaaggaa	agtcancnc	cgggcttatg	aggaattgga	cttaataaat	ttagnnggct	360
tccnacctaa	aatatatctt	ttggaagtaa	aattta			396

<210> 95  
 <211> 396  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 95						
cctcccaccc	ncttanttca	tgagattcga	naatgncact	tntgtgctnt	tttctnnttn	60
tattctnaacn	atttctttct	tgngcggnna	nnaatccent	ttttnngggc	gnctctcccn	120
ncttntnntt	tctngnggct	ntcccttttc	nnnnnaaact	tntacnnngt	ttanaantnt	180

```

ttctgnangg gggnttcna aananttttt ccnctncct nattecnctc tnaannctcn 240
cnaattgttt ccccccccn ntagnttatt ttttctaaaa aattaactcc nacgganaaa 300
attttcctta aaatttcncc tccanatttn gaaaaaacnc gcccgganct nntntncgaa 360
tntnaatttt tnaaaaaaan ttattttcat cngggn 396

```

```

<210> 96
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 96
cctgggtacc aaatttcttt atttgaagga atggtacaaa tcaaagaact taagtggatg 60
ttttggacaa cttatagaaa aggtaaagga aacccaaca tgcattgact gccttggcga 120
ccagggaagt caccacacgg ctatggggaa attagccga ngcttaactt tcattatcac 180
tgcttccaag gngtgcttg gcaaaaaaat attccgcaa ccaaatoagg cgctccatct 240
tgcccagttg gtncgggnc cccaattctt ggatgctttc ncctcttntt ccggaatgng 300
ctcatgaant cccccaanng gggcattttg ccagnggccn tttngccatt cnagnnggcc 360
tgatccattt tttccaatgt aatgccnctt cattgn 396

```

```

<210> 97
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 97
ctcacctcc tcntnttnt canaatattg ngaacttnt nctgntcgaa tcaactggcat 60
taaagganca ctactaatg gactaaaatt tacnnactan ggaaactttt ttataatant 120
gcaaaaacat ntnaaaaaga ntgnagttcg cccattttctg cttnggaaga nctcttcact 180
tntaanccn natgngncc tttgggtcaa aanctccgcg attattaacng ngttncncnc 240
tatttgnct tctttntcc ccaangcnc anattcnna actttncnt naaatgcctt 300
tatttnatnn cntttcnacn nettaannt ccctttnaan aangatocct ncttcaaata 360
ntttccnctg tctngcatt nccnnnnat ttctct 396

```

```

<210> 98
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 98
acagggacaa tgaagccttt gaagtgccag tctatgaaga ggccgtggtg ggactagaat 60
cccagtgccg cccccaagag ttggaccaac caccocctac agcactgttg tgatacccc 120
agcacctgan gaggaacaac ctaccatcca gaggggccag gaaaagccaa actggaacag 180

```





ccgtatatga	tccatttttna	tgggaaacng	aattcntnnc	attatcncac	cttggaata	240
cnnaacgtgg	gggaaaaaaa	tcattccenc	cntccaaaac	tatacttctt	ttatctngan	300
nttcttgntc	ctgcncnggt	ttngaata	nctgggcaaa	nggntttnc	aaatccntnt	360
acnntncttt	gggaantanc	ggcaantent	cnccttt			396

<210> 102  
 <211> 396  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 102						
actatacata	agaacangct	cacatgggag	gctggagggtg	ggtaccacgc	tgctgtggaa	60
cgggtatgga	caggtcataa	acctagagtc	agngtcctgt	tggcctagcc	catttcagca	120
ccctgccact	tggagnggac	ccctctactc	ttcttagcgc	ctaccctcat	acctatctcc	180
ctnctcccat	ctcctacgga	ctggcgccaa	atggcctttcc	tgccaatttt	gggatcttct	240
ctggctctcc	agcctgctta	ctcctctatt	tttaaagggc	caaacaaatc	ccttctcttt	300
ctcaaacaca	gtaatgnggc	actgacccta	ccacacctca	tgaagggggc	ttgttgcttt	360
tatttgggcc	cgatctgggg	ggggcaaaat	attttg			396

<210> 103  
 <211> 396  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 103						
ttgtgttg	actgctgata	ggaagatgct	ttcaggaaat	gctaaaattg	ggcacccctgc	60
cccaacttca	aagccacagc	tggtatgcc	natggtcagg	ttaaagatat	caacctgctg	120
actacaaagg	aaaatatggt	gggtcttct	tttacctct	tgacttccct	ttgngngccc	180
cccagaganc	ttgctttccg	ngataggcca	aaanaaatta	aaaaacttaa	ctggccagtg	240
aatggggctt	ctgnggatct	ccttctggca	ttacatnggc	aatccctaaa	aaacaagang	300
actgggaccc	ataacattct	tttgnatcaa	ccgaagcccc	cattgttang	atatngggct	360
taaangctga	tnaagcatct	cgtccgggcn	ttttat			396

<210> 104  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 104						
aagggagggc	gcgccaagac	cttcccactc	gngcacactg	ggggcgccga	cangaagcaa	60
cccagtcocaa	cttgataacc	cttggnntta	gttctcggac	acttctttta	tctctccgtc	120
gcaacttgctc	aagttctcaa	nactgtctct	ctgngntatc	ttttttcttc	gctgctcttc	180

```

nncccccgac gtatttntca aaangtctgc aattgttgna tacntnganc tncaccactg 240
ttacnaggtc atnaatttcn cntcaactct ntncncttg ttccctgata tntcggccgg 300
ngnncccaat tctgtatttt nctcntcaac gntctcactt ttncctcctc cnggccactt 360
tctccccttc cttattccgg cnttgtttgc cnccat 396

```

```

<210> 105
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 105
tcaatagcca gccagtgttc atttttatcc ttgagctttt agtaaaaact tcctggnttt 60
atttttagtc attgggtcat acagcactaa agtctgctat ttatggaaac taactttttt 120
gtttttaatc caggccaaca tgtatgtaaa tttaaatttt agataattga ttatctcttt 180
gtactacttg agatttgatt atgagatgtg catattgctt tgggaagagc tcgaggaagg 240
aaataattct ctcccttggg ttgaacctca actagataaa ccctaggaat tgtaactgc 300
acaagnattt tcattccaca aaacctgagg cagctctttt gccagagcgt tcctgnaccc 360
ccccacccca cttgccttgg gtctttanaa ngagcc 396

```

```

<210> 106
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 106
gctgtgtagc acactgagtg acgcaatcaa tgtttactcg aacagaatgc atttcttcac 60
tccgaagcca aatgacaaat aaagtccaaa ggcattttct cctgtgctga ccaaccaaat 120
aatatgtata gacacacaca catatgcaca cacacacaca cacaccaca gagagagagc 180
tgcaagagca tgggaattcat gtgtttaaag ataatccttt ccatgtgaag tttaaaatta 240
ctatatattt gctgatggct agattgagag aataaaagac agtaaccttt ctcttcaaag 300
ataaaatgaa aagcaattgc tcttttcttc ctaaaaaatg caaaagattt acattgctgc 360
caaatcattt caactgaaaa gaacagtatt gctttt 396

```

```

<210> 107
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 107
ttcacagaac anggtggttt attatttcaa tagcaaagag ctgaaaaatg tcgggtccca 60
taaaggagca gaacctgacc cagagcctgc agtacatttc caccacacag gggcgagggc 120
tgggccaggc agggccaaag gcagcagaaa tgggagtaag agactgtgcc cactgagaag 180
ctctgctggg tgtggggcagg tgggcatgan atgatgatga tgtagtgtaa ggaccaggta 240
ggcaaaacct gtcaggnttg ntgaatgtca nagtggatcc aaaaggctga gggggtcgtc 300
anaaggccgg nggncccncc cttgcccgtg tgggccttca aaaagtatgc ttgctcatcc 360
gtgttttnc ccanggagct gccanggana aggctn 396

```

<210> 108  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)..(396)  
 <223> n = A,T,C or G

<400> 108  
 gcctgctttt gatgatgtct acagaaaatg ctggctgagc tgaacacatt tgcccaattc 60  
 caggtgtgca cagaaaaccg agaattattca aaattccaaa tttttttctt aggagcaaga 120  
 agaaaatgtg gccctaaagg gggtagttg aggggtaggg ggtagtgagg atcttgattt 180  
 ggatctcttt ttattttaa atgaatttca acttttgaca atcaaagaaa agacttttgt 240  
 tgaaatagct ttactgtctc tcacgtgttt tggagaaaan natcancctt gcaatcactt 300  
 tttgnaactg ncnttgattt tcngcnncca agctatatcn aatatcgtct gngtanaaaa 360  
 tgnccctggnc ttttgaanga atacatgngt gntgct 396

<210> 109  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)..(396)  
 <223> n = A,T,C or G

<400> 109  
 ggccgtaggc agccatggcg cccagcccgg aatggcatgg tcttgaagcc ccacttccac 60  
 aaggactggc agcggcgcggt ggccacgtgg ttcaaccagc cggcccgga gatccgcaga 120  
 cgtaaggccc ggcaagccaa ggcgcgccgc atcgctccgc gccccgcgtc gggteccatc 180  
 cggcccatcg tgcgctgccc acggttcggt accacacgaa gggcgcgccg gcgcggnttc 240  
 agcctggagg agctcagggt ggccggattt acaagaagng gccngacatc ngatattcttg 300  
 ggatncnnga agnggaacaa gtcacngagt ccttgcagcc acntcagcgg ntgatgacac 360  
 cgttcnaact catctnttcc caagaaacct cngnnc 396

<210> 110  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)..(396)  
 <223> n = A,T,C or G

<400> 110  
 nntgggctcc tnncantnat aataaacnng actcatacnc cacaaggaga tgaacaggan 60  
 tatgtncatn ctgacgcgga aacagnncan ggagctgagg agnggccaa atgagaccta 120  
 nnggccnngg tgggcgcatt cccggnngag ggggccacta aggantacga nnntcnagcg 180  
 gctcttgngg gcngnccctc tcacncctgn ntattcgatt gtcnncnatg ncntcctatn 240  
 atnntcanna ttctntntn atctctnta cncnctncn ttcatgntta cngntccctc 300  
 tcnttctnac cnttntctgn anctccttc tnnnncttc atctntnttc ngctttcttt 360  
 cttnaatcnt nntttaacnt nntctncttt ntnatt 396

<210> 111  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 111  
 taangancat nctggnttnt gcctnnccgn ctnattgant gttaaaggca attntgtggn 60  
 tgtcccagng aatgncggct nattttcttt ccacattgng cncattcact cctcccactc 120  
 ttggcatgtn gngacataag canggtacat aatngnaaaa atctgnattt ctgatgccan 180  
 angggtanan cntnttgnat ntcattccat tgatatacag ccactntttt atttttgatc 240  
 ancggccttc ggntcactgc ncanggtact tgacctcagt gtcactatta tgggntttgg 300  
 tttcncctct ttnnggcen ttntntttcn cacnttncan cttnccttnt nnaaaannna 360  
 nncactctct cttgctctct ngatacnng tctnaa 396

<210> 112  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 112  
 tcaacgtcac caattactgc catttagccc acgagctgcg tctcagctgc atggagagga 60  
 aaaagggtoca gattogaagc atggatccct ccgccttggc aagcgaccga tttaacctca 120  
 tactggcaga taccaacagt gaccggctct tcacagtga c gatgttaaa gntggaggct 180  
 ccaagnatgg tatcatcaac ctgcaaagtc tgaagacccc tacgtcaag gtgttcatgc 240  
 acgaaaacct ctacttcacc aaccggaagg tgaattcggg gggctgggcc tcgctgaatc 300  
 acttggattc cacattctgc tatgcctcat gggactcgca gaacttcagg ctggccaccc 360  
 tgctcccacc atcactgntn gncaatantc acccag 396

<210> 113  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 113  
 nnnnttnnnn nggagcctta atttcagagt tttattgtat tgactactaaag gaacagcagg 60  
 atggnatatac aattttctct cattcagttt tgaaaatctg tagtacctgc aaattcttaa 120  
 gaataccttt accaccagat tagaacagta agcataataa ccaatttctt aataagtaat 180  
 gtcttacaaa taaaaacaca tttaaaatag ctttaaagtc attcttcaca agtaattcag 240  
 catatatatt atatcatggt tactttatgct tangaattnn agcaggatnt ttattctttt 300  
 gatggaaata tgggaaaact ntattcatgc atatacangg ataataattca gcgaagggaa 360  
 aatcccgttt ttattttggn aatgattcat atataa 396

<210> 114  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 114  
 aaatgggaca acgtgattct tttgttttaa ataaataactn agaacacgga cttggctcct 60  
 acaagcattt ggactctaag gnttagaact ggagagtctt acccatgggc ccncncagg 120  
 gacgccacgg ttccctccca ccccgngatc aagacacgga atcngntggc gatngttgga 180  
 tcgcnatgtg ccccttatct atagccttcc cnggncatnt acangcagga tgcggntggg 240  
 anaactacaa ctgnaatntc tonaacggtn atggtcccca ccgatnaaga ttctacctng 300  
 tcttttctnc ccttgagtg tgagtgnng aggaagaagc ccttncccta catcaccttt 360  
 tgnacttctg aacaaganca anacnatggc cccccc 396

<210> 115  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 115  
 ccgcctggtt cggcccgct gcctccactc ctgcctctac catgtccatc agggtgacct 60  
 agaagtccta caaggtgtcc acctctggcc cccgggcctt cagcagccgc tcctacacga 120  
 gtgggcccgg ttcccgcatc agctcctcga gcttctcccg agtgggcagc agcaactttc 180  
 gcggtggcct ggcggcggt atggtggggc cagcggcatg ggaggcatca cccgcagtta 240  
 cggcaaccag agcctgctga gcccttggc tggaggngga cccaacatc aagccngcg 300  
 caccaggaa aaggagcaga ncaagacct caacaacaag nttgcttctt catagacaag 360  
 ggaccgtcc ttgaacagca naacaagatg ntggag 396

<210> 116  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 116  
 atctcagttt actagctaag tgactttggg caagggattt aacctctcgt ccctcagttt 60  
 cctcctatgt aaaatgacaa ggataatagt accaaccacaa tgtagattaa atgagtttac 120  
 gaagtgttag aatagtgtt ggacatttag tgctttacaa ctgctatattt gattgttggt 180  
 gtgggctctc tcaaagtcat tgtctctaga tgccagtgc ccaggtcaaa atttaccttt 240  
 aaccaagctg catgtttccc agactgntgc acagtctct accctgagan aaagcttcca 300  
 cccaaggata cttttacttt ctgctggaaa actgatgagc aanggcaaca ngggacactt 360  
 atcgccaact ggaaangaga aattcttctt tttgct 396

<210> 117  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 117  
 aaacattttt taataaaatt cctatagaaa gctcagtcac agggcaaata ctcagttctc 60  
 ttccccatat caccgaggat tgagagctcc caatattctt tggagaataa gcagtagttt 120  
 tgctggatgt tgccaggact cagagagatc acccatttac acattcaaac cagtagttcc 180  
 tattgcacat attaacatta cttgccccta gcaccctaaa tatatggnac ctcaacaaat 240  
 aacttaaaga tttccgtggg gcgcganacc atttcaattt gaactaatat ccttgaaaaa 300  
 aatcacatta ttacaagntt taataaatac nggaagaaga gctggcattt ttctaanaac 360  
 tgaattcnga cttggnttta ttccataaat acggtt 396

<210> 118  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 118  
 accnncacct gntnnntttt aacnattaca acttctttat atggcagttt ttactgggng 60  
 cctaacactc tctttactgn ctcaagnnga agtccaaaca aatttcattt ttgtagtaaa 120  
 aaatctttat ttccaaaatg atttgtttagc caaaagaact ataaaccacc taacaagact 180  
 ttggaagaaa gagacttgat gcttcttata aattcccat tgcanacaaa aaataacaat 240  
 ccaacaagag catggtaccc attcttacca ttaacctggn tttaannctc caaancnnga 300  
 tttaaaaatg accccactgg gcccaatcca acatganacc taggggggnt tgccttgatt 360  
 angaatcccc cttanggact ttatctnggc tganaa 396

<210> 119  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 119  
 atggccagct cacttttaaat accacctcaa gactcatcga aatgaccgct ccttcatctg 60  
 tctgcagaaa gggtgtggga aaagcttcta tgtgctgcag aggctgaagg tgcacatgag 120  
 gacccacaat ggagagaagc cttttatgtg ccatgagtct ggctgtggta agcagtttac 180  
 tacagctgga aacctgaaga accaccggcg catccacaca ggagagaaac ctttcctttg 240  
 tgaagcccaa ngatgtggcc gtcctttgct gagtattcta ncttcgaaaa catctggngg 300  
 ntactcanga gagaaagcct cattantgcc antctgnggg aaaaccttct ntcagagnng 360  
 angcaggaat gtgcatatta aaaagctncc ttgnac 396

<210> 120  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 120  
 catgggtcag tcggtcctga gagttcgaag agggcacatt cccaaagaca ttcccagtca 60  
 tgaaatgtag aagactggaa aattaagaca ttatgtaaag gtagatatgg ctttttagagt 120  
 tacattatgc ttggcatgaa taagggtcca ggaaaacagt ttaaaattat acatcagcat 180  
 acagactgct gttagaaggat atgggatcat attaagataa tctgcagctc tactacgcat 240  
 ttattgttaa ttgagttaca nangncattc annactgagt ttatagancc atattgctct 300  
 atctctgngn agaacatttg attccattgn gaagaatgca gtttaaaata tctgaatgcc 360  
 atctagatgt attgtaccna aaggggaaaa ataaca 396

<210> 121  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 121  
 tttttttttt ttttttttaa aatcaagtta tgtttaataa acattaataa atgtttactt 60  
 aaaaggggta ataaacnttt actacatggc aaattatttt agctagaatg cttttggctt 120  
 caagnccatan aaaccagatt cnaatgccct taaanaattt tnaaanatcc attgangggg 180  
 ataactgtaa tccccaggga gaanagggtt ggggatgaca ggtacanggg gccagcccag 240  
 tnntnncana nncagactct tacntcttt ctgctgtgnc accctcaggc attgggtcca 300  
 ttctcngggg tgencatggg aagatggctt tggacntaac nacacccttt tgtncacgta 360  
 aaggcengat gcagggtcaa anagnttccn ccatnt 396

<210> 122  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 122  
 gtgcacatgg ctgcctcttg ggctcccaga acccacaaca tgaaagaaat ggtgctaccc 60  
 agctcaagcc tgggcctttg aatccggaca caaaaccctc tagcttggaa atgaatatgc 120  
 tgcactttac aaccactgca ctacctgact caggaatcgg ctctggaagg tgaagctaga 180  
 ggaaccagac ctcacatgcc caacatcaaa gacaccatcg gaacagcagc gcccgacgca 240  
 cccaccccgc accggcgact ccattcttcat ggccaccccc tgcggtggac ggttgaccac 300  
 cagccaccac atcatcccag agctgagctc ctccagcggg atgacgccgt cccaccacc 360  
 tccctcttct tttttttcat cttctgtct ctttgt 396

<210> 123  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 123  
 gccctttttt tttttttttt tttcctagtg ccaggtttat tccctcacat ggggtggttca 60  
 catacacagc acanaggcac gggcaccatg gganagggca gcactcctgc cttctgaggg 120  
 gatcttggcc tcacgggtga anaaggana ggatggtttc tcttctgccc tctactagggc 180  
 ctagggaacc cagnagcaaa tcccaccacg ccttccatnt ctcagccaag ganaagccac 240  
 cttggtgacg tttagtcca accattatag taagtggana agggattggc ctgggtcccaa 300  
 ccattacagg gtgaanatat aaacagtaaa ggaanataca gtttgatga ggccacagga 360  
 aggagcanat gacaccatca aaagcatatg cagggg 396

<210> 124  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 124  
 gaccattgcc ccagacctgg aagatataac attcagttcc caccatctga ttaaaacaac 60  
 ttctccctt acagagcata caacagaggg ggcacccggg gaggagagca catactgtgt 120  
 tccaatttca cgtttttaat tctcatttgt tctcacacca acagtgtgaa gtgcgtggta 180  
 taatctccat ttcaaaacca aggaagcagc ctcagagtgg tcgagtgaca cacctcacgc 240  
 aggctgagtc cagagcttgt gtcctcttgg attcctgggt tgactcagtt ccaggcctga 300  
 tcttgctgt ctggctcagg gtcaaagaca gaatgggtga gtgtagcctc cacctgatat 360  
 tcaggctact cattcagtc caaatatgta ttttcc 396

<210> 125  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 125  
 cccttttttt tttttttttt tttttttttt ttttttactt tagnaacaaaa atttattagg 60  
 attaatgcaa attaaaaaac ttcatgcnc nccncttgtc atatttacct gaaatgacaa 120  
 agttatactt agcttgagng naaaacttgn gcccacaaaa ttntgtttgg aaagcaaaaa 180  
 aataattgat gcncatagca gngggcctga tncnccaca gngaattgtg tttaaggnc 240  
 aacaaacagg ggncancaa gcatacatta cttttaagct ttgggnccaa ggaaaangtc 300  
 attccctacc tccttcaaaa gcaaacctcat natagcctgg gnccttaggn ctggagcctn 360  
 ttttttcgag tctaanatga acatntggat ttcaan 396

<210> 126  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 126  
 cgcgtcgact cgcaagtga atgtgaagtc cctggagacc ctgaaggctt tgcttgaagt 60  
 caacaaaggg cacgaaatga gtccctcaggt ggccaccctg atcgaccgct ttgtgaaggg 120  
 aaggggccag ctagacaaag acaccctaga caccctgacc gccttctacc ctgggtacct 180  
 gtgctccctc agccccgagg agctgagctc cgtgcccccc agcagcatct gggcggctcag 240



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gccccacgac ctggacacgc tggggctacg gctacagggc ggcatcccca acggctacct      300
ggtcctagac ctcagcatgc aagaggccct ctoggggacg cctgcctcc taggacctgg      360
acctgttctc accgtcctgg cactgctcct agcctc                                396

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<210> 127
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

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<400> 127
tttttttttt ttgngggtaa aatgcaaagt ttttaaaata tgtttatatt gtatgtttta      60
caatgaatac ttcagcaaag aaaataatta taatttcaaa atgcaatccc tggatttgat      120
aaatatcctt tataatcgat tacactaatc aatatctaga aatatacata gacaaagtta      180
gctaataaat aaaataagta aaatgactac ataaactcaa tttcagggat gagggatcat      240
gcatgatcag ttaagtcact ctgccacttt ttaaaataat acgattcaca tttgcttcaa      300
tcacataaac attcattgca ggagttacac ggctaatacat tgaaaattat gatctttgtt      360
agcttaaaag aaaattcagt ttaatacaaa gacatt                                396

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<210> 128
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 128
gccctttttt ttttttttta aaggcaaata aaataagttt attgggatgt aaccccatca      60
taaattgagg agcatccata caggcaagct ataaaatctg gaaaatttaa atcaaattaa      120
attctgcttt taaaaagggtg ccttaagtta accaagcatt ttgataacac attcaaatat      180
aatatataaa aatagatgta tcctggaaga tataatgaan aacatgccat gtgtataaat      240
tcanaatacg cttttttacac aaagaactac aaaaagtac aaagacagcc ttcaggaacc      300
acacttagga aaagtgagcc gagcagcctt cagcgaagc ctcttcaaaa naagtctcac      360
aaagactoca gaaccagccg agtntgtgaa aaagga                                396

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<210> 129
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 129
gccctttttt tttttttttt ttttactcag acaggcaata tttgctcaca tttattctct      60
tgcacgtgaa atagtagcca actcacaaaa ataaagtata caanaatgta atatttttta      120
aaataagatt aacagtgtaa gaaggaaaat ctcaaaaaaa gcanatagac aatgtanaaa      180
attgaaatga aatcccacag taanaaaaaa aaaacanaaa agtgccattt taanaattat      240

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gctacatgtg gaacttaact agaccatttt aanaaagacc aattttctaata gcaaatttttc 300
tgagggttttc anatttttatt ttttaaaatat gttatagcta catgttgtcn acnccggcgcg 360
tcgagtctan agggcccggtt taaacccgct gatcag 396

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<210> 130
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 130
cgcccttttt tttttttttt tanngnacgt gncctttattt ctggatgata taaaaaanaaaa 60
aacttaaaaa acaccccaaa ccaaacacca atggatcccc aaagcgatgt gactccctct 120
tcccacccgg ataaatagag acttctgtat gtcagtctac cctcccgccc ccataacccc 180
ctctgtctata nacatactct gggatatatat tactctactc ggcaatagac atctcccgaa 240
aatagaattc ctgccctgac acctgactct tccctggccg catcanacca cccgccactg 300
tagcacactg gtgtccctgc cccctgtggt cagggccatg ctgtcatccc acaanaaggc 360
cacatttgtc acatggctgc tgtgtccacc gtactt 396

```

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<210> 131
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

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<400> 131
gccctttttt tttttttttt tttttttttt ttcagtttac acaaaaacnc ttttaattgac 60
agtatacnnt tttccaaaat atnttttngt aanaaaatgc aataattatt aactatagtt 120
tttacaacaa agttntncan taaattccag tgtnottnaa accccnnncn annaaaacat 180
atatganccc ccagttcctg ggcaaaactgt tgaacattca ctgcanacaa aaagaccanc 240
nccaaanagt catctgngnc ctccatgctg ngtttgacc aaacctgagg gancagctag 300
ngaccgtgac aaaagctntg ctacagtttt actntngccc tntntgcctc ccccatnatg 360
tttccttggt ccctcantcc tgtnggagta agttcc 396

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<210> 132
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 132
cgcgtcgacc gcggccgtag cagccggggt ggtcctgctg cgagccggcg gcccgagtg 60
ggcgcgcgnt atgtaccttc cacattgagt attcagaaag aagtgatctg aactctgacc 120
attctttatg gatacatata gtcaaatata agagtctgac tacttgacac actggctcgg 180
tgagttctgc tttttctttt taatataaat ttattatgtt ggtaaattta gcttttggct 240

```

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tttcactttg ctctcatgat ataagaaaat gtaggttttc tctttcagtt tgaattttcc 300
tattcagtaa aacaacatgc tagaaaacaa acttttggaa aggcattgta actatttttt 360
caaatagaac cataataaca agtcttgtct taccct 396

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<210> 133
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

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<400> 133
ntattacccc tcctggnnan ntggnnatan nctgcaagg gatnnncccg nngaacttca 60
ctgatnnncc aatnaaaaact gctttaaaanc tgactgcaca tatgaattnt aatacttact 120
tngcggggagg ggtggggcag ggacagcaag ggggaggatt gggaanacaa tagacaggca 180
tgctgggggat gcngcgggct ctatggcttc tgangcgnaa agaaccagct ggggctctag 240
ggggatatccc cacgcgccct gtagcngcnc attaaacgcg gcgggtgtgg nggttacttc 300
gcaaagngac cgatncactt gccagcgccc tagctgcccc ctcctttngc tttcttcctc 360
tcctttctcg ccacnttnnc cggctntccc cgncaa 396

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<210> 134
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 134
tttttttttt ttctgctttt tatatgttta aaaatctctc attctattgc tgctttatth 60
aaagaaagat tactttcttc cctacaagat ctttattaat tgtaaaggga aaatgaataa 120
ctttacaatg ganacacctg gcanacacca tcttaaccaa agcttgaagt taacataacc 180
agtaatagaa ctgatcaata tcttgtgcct cctgatatgg ngtaactaana aaaacacaac 240
atcatgccat gatagtcttg ccaaaagtgc ataacctaaa tctaatacata aggaacatt 300
anacaaactc aaattgaagg acattctaca aagtgccttg tattaaggaa ttattcanag 360
taaaggagac ttaaaagaca tggcaacaat gcagta 396

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<210> 135
<211> 396
<212> DNA
<213> Homo sapien

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<400> 135
gcgtcgacgc tggcagagcc acaccccaag tgctgtgcc cagagggctt cagtcagctg 60
ctcactcctc cagggcactt ttaggaaagg gtttttagct agtgtttttc ctgcgtttta 120
atgacctcag cccgcctgc agtggtctaga agccagcagg tgcccatgtg ctactgacaa 180
gtgcctcagc ttcccccccg cccgggtcag gccgtgggag ccgctattat ctgcgttttc 240
tgccaaagac tcgtgggggc catcacacct gccctgtgca gcggagcccg accaggetct 300
tgtgtcctca ctcaggtttg cttcccctgt gccactgct gtatgatctg ggggccacca 360
ccctgtgcgc gtggcctctg ggctgcctcc cgtggg 396

```

```

<210> 136

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<211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 136

ttatgcttcc	ggctcgtntg	ttgtgtggaa	ttgtgagcgg	ataacaattt	cacacaggaa	60
acagctatga	ccatgattac	gccaaagctat	ttaggtgaca	ctatagaata	ctcaagctat	120
gcataaagct	tggtaccgag	ctcggatcca	ctagtaacgg	ccgccagtgt	gctggaattc	180
gcggncgntc	nantctagag	ggcccgttta	aacccgctga	tcagcctcga	ctgtgccttc	240
tagttgccag	ccatctgttg	tttgcccctc	ccccgtgcct	tccttgaccc	tggaagggtgc	300
cactccact	gtcctttcct	aataaaatga	ggaaattgca	tcgcattgtc	tgagtaggtg	360
tcattctatt	ctgggggggtg	gggtgggggca	ggacan			396

<210> 137  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 137

tttttttttt	ttctgctttg	tacttgagtt	tatttcacaa	aaccacggag	aaagatactg	60
aaatggagct	ctttccagcc	tccaagcaag	gaggccccag	cagccagtct	ccagcccctt	120
gagccctttt	tgttaggccc	acacccaaaa	gagganaacc	agtgtgtgcg	cgaagggtaca	180
tggaaggcca	cttttgaaaa	catcccagtt	taccngggtg	aaattgaact	tactctgaaa	240
cagatgaaaa	gggacatgca	aaattgctga	gcacatggag	gtgtttgtta	gtaggtgaaa	300
atcatgtcct	gggtataacc	cagctttctc	aggttagggt	gagccgccgt	ctggatcagt	360
ggtggcgggc	cacacaccag	gatgagcgtg	gacttc			396

<210> 138  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 138

cccttttttt	ttttttttac	aaatgagaaa	aatgtttatt	aagaaaacaa	tttagcagct	60
ctcctttana	attttacaga	ctaaagcaca	acccgaaggc	aattacagtt	tcaatcatta	120
acacactact	taaggngctt	gcttactcta	caactggaaa	gttgctgaag	tttgtgacat	180
gccactgtaa	atgtaagtat	tattaaaaat	tacaaattgt	ttggtgatta	ttttgatgac	240
ctcttgagca	gcagctcccc	ccaanaatgc	ancaatggta	tgtggctcac	cagctccata	300
tcggcaaaat	tcgtggacat	aatcatcttt	caccattaca	gataaaccat	attcctgaag	360
gaagccagtg	agacaagact	tcaactttcc	tatatc			396

<210> 139

<211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 139  
 ccgcccctttt tttttttttt ttcacaaaag cactttttat ttgaggcaaa nagaagtctt 60  
 gctgaaagga ttccagttcc aagcagtcaa aactcaaccg ttagnggcac tattttgacc 120  
 tgggtanatt tgcttctctt tggtcanaaa aggttattca ggttgactt tccccagcag 180  
 ggtaaaaaga agggcaaagc aaactggaan anacttctac tctactgaca gggctnttga 240  
 natccaacat caagctanac acnccctcgc tggccactct acaggttgct gtcccactgc 300  
 tgagtgcacac aggcatact acatttgcaa ggaaaaaat gaggcaanaa acacaggtat 360  
 aggtcacttg gggacgagca ggcaaccaca gcttca 396

<210> 140  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 140  
 tttttttttt ttttttttct tttttttctc atttaacttt tttaatgggn ctcaaaattn 60  
 tgngacaaat ttttgggtcaa gttgtttcca ttaaaaagtn ctgattttta aaactaataa 120  
 cttaaaactg cccncccaa aaaaaaaaaac caaaggggtc cacaaaacat tntcctttcc 180  
 ttntgaaggn tttacnatgc attgttatca ttaaccagtn ttttactact aaacttaaan 240  
 ggccaattga aacaaacagt tntganaccg ttnttcncc actgattaaa agnggggggg 300  
 caggtattag ggataatatt catttancct tntgagcttt ntgggcanac ttggngacct 360  
 tgccagctcc agcagccttn ttgtccactg ntttga 396

<210> 141  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 141  
 acgccgagcc acatcgctca gacacccatgg ggaaggtgaa ggtcggagtc aacggatttg 60  
 gtcgtatttg ggccttggtc accagggctg cttttaactc tggtaaagtg gatattgttg 120  
 ccatcaatga ccccttcatt gacctcaact acatggttta catgttccaa tatgattcca 180  
 cccatggcaa attccatggc accgtcaagg ctgagaacgg gaagcttgct atcaatggaa 240  
 atcccatcac catcttccag gagcgagatc cctccaaaat caagtggggc gatgctggcg 300  
 ctgagtacgt cgtggagtcc actggcgtct tcaccaccat ggagaaggct ggggctcatt 360  
 tgcagggggg agccaaaagg gtcacatctc ctgccc 396

<210> 142  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 142

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acgcaggaga ggaagcccag cctgtttctac cagagaactt gccaggtca gaggtctgcg      60
tagaagccct tttctgagca tcctctcctc tcctcacacc tgccactgtc ctctgcgttg      120
ctgtcgaatt aaatcttgca tcaccatggt gcacttctgt ggccactca cctccaccg      180
ggagccagtg ccgctgaaga gtatctctgt gagcgtgaac atttacgagt ttgtggctgg      240
tgtgtctgca actttgaact acgagaatga ggagaaagtt cctttggagg ccttctttgt      300
gttccccatg gatgaagact ctgctgttta cagctttgag gccttggtgg atgggaagaa      360
aattgtagca gaattacaag acaagatgaa ggcctg      396

```

```

<210> 143
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 143
tttttttttt ttccatana aaataggatt tattttcaca ttttaaggnga acacaaatcc      60
atgttocana aatgttttat gcataacaca tcatgagtag attgaatttc ttttaacacac      120
anaaaaaatca aagcctacca ggaaatgctt ccctccggag cacaggagct tacaggccac      180
ttntgttagc aacacaggaa ttcacattgt ctaggcacag ctcaagnagag gtttgttccc      240
aggttcaact gctcctacc ccattgggcc tcctcaaaaa cgacagcagc aaaccaacag      300
gcttcacagt aaccaggagg aaagatctca gngggggaac cttcacaaaa gccctgagtt      360
gtgtttcaaa agccaagctc tgggggtctgn ggcctg      396

```

```

<210> 144
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 144
tttttttttt ttctgctctt tgggtctgaca agaaaagagt tttaggtgtg tgaagtaggg      60
tgggaaaaaaa ggtcagtttc aaattcagta acatatggta acactaagtt aggctgctgc      120
attctttttct ttgggtactt aagccagctg gcacttccac tttgtaacca attatattat      180
gatcaacaac taatcagtta gttcctcagc ttcaactgaa nagttcctga ttacctgatg      240
aaggacatac ttgctctggc ttcaattagc atgctgtcaa gcacccctct ccatgcttaa      300
catggcaaca caaaacccaa gagtccttct ntttttttca ttagccatga ataaacactc      360
acaaagggga agagtagaca ctgcttttag taaacg      396

```

```

<210> 145
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 145

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<210> 146
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

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<210> 147
<211> 396
<212> DNA
<213> Homo sapien
```

```
<210> 148
<211> 396
<212> DNA
<213> Homo sapien
```

$\langle 210 \rangle$	149
$\langle 211 \rangle$	396

<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(396)  
<223> n = A,T,C or G

<400> 149  
 tttttttttt tttaaagagt cacattttat tcaatgccta tttgtacatg ttactagcaa 60  
 taaactcttt tatctttaat tttgagaagt tttacaaata cagcaaagca gaatgactaa 120  
 tagagccggt aaccaggaca cagatttgga aaaataggct taattgggtg ttacactgtg 180  
 tttatgtcat acatttcgct tattttttatc aaanaaaaat cagaatttat aaaatgttaa 240  
 ttaaaaggaa aacattctga gtaaatttag tcccgtgttt cttcctccaa atctntttgt 300  
 tctacactaa caggtcagga taagtatgga tggggaggct ggaaaaaggg catccttccc 360  
 catgcggtcc ccagagccac cctctccaag caggac 396

<210> 150  
<211> 396  
<212> DNA  
<213> Homo sapien

<400> 150  
 acgcctctct tcagttggca cccaaacatc tggattggca aatcagtggc aagaagttcc 60  
 agcatctgga cttttcagaa ttgatcttaa gtctactgtc atttccagat gcattatatt 120  
 acaactgtat ccttggaat atatttctag ggagaatatt attgaagaaa atgttaatag 180  
 cctgagtcaa atttcagcag acttaccagc atttgtatca gtggtagcaa atgaagccaa 240  
 actgtatctt gaaaaacctg ttgttccttt aaatatgatg ttgccacaag ctgcattgga 300  
 gactcattgc agtaatatc ccaatgtgcc acctacaaga gagatacttc aagtctttct 360  
 tactgatgta cacatgaagg aagtaattca gcagtt 396

<210> 151  
<211> 396  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(396)  
<223> n = A,T,C or G

<400> 151  
 acaaaatgcc cagcctacag agtctgagaa ggaaatttat aatcaggtga atgtagtatt 60  
 aaaagatgca gaaggcatct tggaggactt gcagtcatac agaggagctg gccacgaaat 120  
 acgagaggca atccagcatc cagcanatga gaagttgcaa gagaaggcat ggggtgcagt 180  
 tgttccacta gtaggcaaatt taaagaaatt ttacgaattt tctcagaggt tagaagcagc 240  
 attaagaggt cttctgggag ccttaacaag taccocatat tctcccaccc agcatctana 300  
 gcgagagcag gctcttgcta aacagtttgc anaaattctt catttcacac tccggtttga 360  
 tgaactcaag atgacaaatc ctgcoataca gaatga 396

<210> 152  
<211> 396  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature



<222> (1)...(396)

<223> n = A,T,C or G

<400> 152

aogcagcgct	cggcttcctg	gtaattcttc	acctcttttc	tcagctccct	gcagcatggg	60
tgctgggccc	tccttgctgc	tcgccgccct	cctgctgctt	ctctccggcg	acggcgccgt	120
gogctgcgac	acacctgcca	actgcaccta	tcttgacctg	ctgggcacct	gggtcttcca	180
ggtgggctcc	agcggttccc	agcgcgatgt	caactgctcg	gttatgggac	cacaagaaaa	240
aaaagtagng	gtgtaccttc	agaagctgga	tacagcatat	gatgaccttg	gcaattctgg	300
ccatttcacc	atcatttaca	accaaggctt	tgagattgtg	ttgaatgact	acaagtgggt	360
tgcccttttt	aagtataaag	aagagggcag	caaggt			396

<210> 153

<211> 396

<212> DNA

<213> Homo sapien

<400> 153

ccagagacaa	cttcgcgggtg	tggtgaactc	tctgaggaaa	aacacgtgcg	tggcaacaag	60
tgactgagac	ctagaaatcc	aagcgttgga	ggtcctgagg	ccagcctaag	tcgcttcaaa	120
atggaacgaa	ggcgtttgcg	gggttccatt	cagagccgat	acatcagcat	gagtgtgtgg	180
acaagcccac	ggagacttgt	ggagctggca	gggcagagcc	tgctgaagga	tgaggccctg	240
gccattgccg	ccctggagtt	gctgccccag	gagctcttcc	cgccactctt	catggcagcc	300
tttgacggga	gacacagcca	gaccctgaag	gcaatggtgc	aggcctggcc	cttcacctgc	360
ctccctctgg	gagtgtctgat	gaagggacaa	catctt			396

<210> 154

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 154

acagcaaacc	tcctcacage	ccactgggtcc	tcaagagggg	cnacntcttc	acacatcanc	60
acaactacgc	attgcctccc	tnactcgga	aggactatcc	tgctgccaag	aggggtcaagt	120
tggaacagtgt	cagagtcctg	agacagatca	gcaacaaccg	aaaatgcacc	agccccaggt	180
cctcggacac	cgaggagaat	gtcaagaggc	gaacacacaa	cgtcttggag	cgccagagga	240
ggaacgagct	aaaacgggagc	ttttttgccc	tgctgacca	gatcccgagg	ttggaaaaca	300
atgaaaaggc	ccccaggta	gttatcctta	aaaaagccac	agcatacatc	ctgtccgtcc	360
aagcagagga	gcaaaagctc	atttctgaag	aggact			396

<210> 155

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 155

tttttttttt	tgaananaca	ggtctttaat	gtacggagtc	tcacaaggca	caaacaccct	60
------------	------------	------------	------------	------------	------------	----

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caccaggacc aaataaataa ctccacggtt gcaggaaggc gcggtctggg gaggatgcgg 120
catctgagct ctcccagggc tggtagggcg gccgggggtc tgcagtctgt gaggggcctc 180
ctgggtgtgt cccggcctct anagcgggtc cagtctccag gatggggatc gctcactcac 240
tctccgagtc ggagtagtcc gccacgaggg aggagccgan actgcagggg tgccgcgtgt 300
cgggggtgtc agctgcctcc tgggaggagc ctgctggcna caggggcttg tccctgacggc 360
tcccttccctg cccctcctggg ctgctgcact tggggg 396

```

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<210> 156
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

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<400> 156
gaaggggggc ngggcagggg cggaatgtan anattantgc catgattgaa gatttaagaa 60
acgtgagatt caggattttc accacatccc catttagtta gcttgctcgt ttggctgggtg 120
caaatgccag atggattatg aacaatgaca gttaaattaat gcaacataat caggtaatga 180
tgccaagcgt atctggtgtt ccaggatttg tacctttacc ggaacaaatc agtaaatcca 240
caatccctgg cacctgttag gcagctatta acctagtaaa tgctcccca tcccatctca 300
atcagcaang acaatcaaaa acatttgctt tnagtggcag gaacactggt acatttttac 360
ttgctccaag ggctgtgcca acgctccctc tctctg 396

```

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<210> 157
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

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<400> 157
tttttttttt tttttgggga atgtaaatct tttattaaaa cagttgtctt tccacagtag 60
taaagctttg gcacatacag tataaaaaat aatcacccac cataattata ccaaattcct 120
nttatcaact gcatactaag tgttttcaat acaatttttt ccgtataaaa atactgggaa 180
aaattgataa ataacaggta ananaaagat atttctaggc aattactagg atcatttgga 240
aaaagtgagt actgnggata tttaaaaat cacagtaaca agatcatgct tgttcctaca 300
gtattgcggg ccanacactt aagtgaagc anaagtgttt gggtagcttt cctacttaaa 360
attttggnca tatcatttca aaacatttgc atcttg 396

```

```

<210> 158
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 158
tttccgaaga cgggcagctt cagagaagag gattattcgg gagattgctg gtgtggccca 60
tagactcttt ggcatagact ctttcgcagg cagccactct gagtgtggcc agttctataa 120
ccatcccca actagctgga gctgatgga taggaacggg tagtctgtcc tcttccccat 180
aaaaatgttc caaaaagtta tctccagaga gagtccctta tgaagacagt tgccaagctg 240
tattctcatt ctttaaacca ataccagggt cagggctagt tcacactagc actgttaggg 300
acatggtgtg gctagaaatg aattgagtgt gacttctccc tacaaccca ggcccaggga 360

```

taggaggagg cagaggggtg cctggagttt ctgcac

396

<210> 159  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<400> 159  
 tccgcgcgtt gggaggtgta ggcgcgctct gaacgcgctg agggccgttg agtgtcgcag 60  
 gcggcgaggg cgcgagttag gagcagaccc aggcacgcgc cgcgcagaag gccgggctgc 120  
 cccacactga aggtccggaagg ggcgacttc cgggggcttt ggcaactggc ggaccctccc 180  
 ggagcgtcgg cacctgaacg cgaggcgctc cattgcgcgt gcgcgttgag gggcttcccg 240  
 cacctgatcg cgagacccca acggctgggt gcgtcgccct cgcgtctcgg ctgagctggc 300  
 catggcgcag ctgtgcgggc tgaggcggag ccgggcgctt ctgcacctgc tgggatcgct 360  
 gctcctctct ggggtcctgg cggccgaccg agaacg 396

<210> 160  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 160  
 ggaaaccttc tcaactaaga gaacatcatt tctggcaaac tatttttggt agtcacaaat 60  
 atatgtcgta cactctacaa tgtaaatagc actganccac ancttacaga aggtaaaaag 120  
 angnataana acttccttta caaaanantt cctgttggtc ttaatactcc ccattgctta 180  
 tganaattnt ctatangtct ctcangantg ttgcaccca tttctttnt aacttctact 240  
 aaaaanccat ttacattgna nagtgtacna cntatatttg ngagctaaca aaaaatngtt 300  
 ttccnganat gatgttcttt tagtttnaga nggttcnnc aanttntctac tccngcccg 360  
 cactgnncnc cacatttnnn naattacacc ncacng 396

<210> 161  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

<400> 161  
 tttttgtttg attattttta ttataatgaa attaaactta tgactattac agtatgctca 60  
 gcttaaaaaca tttatgagta ctgcaaggac taacagaaac aggaaaaatc ctactaaaaa 120  
 tttttgttga tgggaaatca ttgtgaaagc aaacctccaa atattcattt gtaagccata 180  
 agaggataag cacaaccata tgggaggaga taaccagtct ctcccttcat atatattctt 240  
 ttttatttct tgggtatacct tcccaaaaaca nanacattca acagtagtta gaatggccat 300  
 ctcccaacat tttaaaaaaa ctgcnccccc caatgggtga acaaagtaaa gagtagtaac 360  
 ctanagttca gctgagtaag ccactgtgga gcctta 396

<210> 162  
 <211> 396  
 <212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 162

tttttttttt	tttttttttt	tttttttttt	ttnggggncc	aaattttttt	ntttgaagga	60
angggacaaa	nnaaaaaact	taaggggntg	ttttggnncn	acttanaaaa	aagggaaagg	120
aaaccccaac	atgcatgccc	tnccttgggg	accanggaan	ncnccccn	ggtntgggga	180
aantaaccn	aggnttaact	ttnattatca	ctgncnccca	gggggggctt	nnaaaaaaaa	240
nnttccccca	anccaaantn	gggnncnccc	attnncnca	anttggnncn	cnggncccc	300
nattttttga	ngggtttcnc	cngcncattn	agggaanggg	nntcaannaa	accnncaaa	360
nggggggnat	ttttntcang	ggccnatttg	ngcnnt			396

<210> 163

<211> 396

<212> DNA

<213> Homo sapien

<400> 163

cactgtccgg	ctctaacaca	gotattaagt	gctacctgcc	tctcaggcac	tctcctcgcc	60
cagttttctga	ggtcagacga	gtgtctgcga	tgtcttcccg	cactctattc	ccccagcctc	120
tttctgcttt	catgctcagc	acatcatctt	cctaggcagt	ctcttcccca	aagtctcacc	180
ttttcttcca	atagaaaatt	ccgottgacc	tttgggtgcac	tgcccacttc	ccagctccac	240
tggcccaagt	ctgagccgga	ggcccttggt	ttggggggcg	ggggagagtt	ggatgtgatt	300
gcccttgaag	aacaaggctg	acctgagagg	ttcctggcgc	cctgagggtg	ctcagcacct	360
gccagggtga	ggcctggcat	gaggggttag	gtcagc			396

<210> 164

<211> 396

<212> DNA

<213> Homo sapien

<400> 164

gacacgcggc	ggtgtcctgt	gttggccatg	gccgactacc	tgattagtgg	gggcacgtcc	60
tacgtgccag	acgacggact	cacagcacag	cagctcttca	actgcggaga	cggcctcacc	120
tacaatgact	ttctcattct	ccctgggtac	atcgacttca	ctgcagacca	ggtggacctg	180
acttctgctc	tgaccaagaa	aatcactctt	aagacccac	tggtttctc	tcccatggac	240
acagtcacag	aggctgggat	ggccatagca	atggcgctta	caggcgggat	tggcttcac	300
caccacaact	gtacacctga	attccaggcc	aatgaagtgc	ggaaagtgaa	gaaatatgaa	360
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<210> 165

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 165

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 <212> DNA  
 <213> Homo sapien

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<210> 168  
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 <212> DNA  
 <213> Homo sapien

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<210> 169  
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 <213> Homo sapien

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 <223> n = A,T,C or G

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 aagnngccaa anantntnt agnatgnana tgtntn 396

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 <211> 396  
 <212> DNA  
 <213> Homo sapien

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 gggaggccgt ttctaccagg tccctgtacc cctaccgac cggcgtcgcc gcttcctagc 180  
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<210> 171  
 <211> 396  
 <212> DNA  
 <213> Homo sapien

<220>  
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 <223> n = A,T,C or G

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<210> 172  
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 <212> DNA  
 <213> Homo sapien

<220>  
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 <223> n = A,T,C or G

&lt;400&gt; 172

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&lt;210&gt; 173

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(396)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 173

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&lt;210&gt; 174

&lt;211&gt; 924

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 174

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&lt;210&gt; 175

&lt;211&gt; 3321

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 175

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3321

&lt;210&gt; 176

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 176

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 177

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<210> 178  
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 <212> DNA  
 <213> Homo sapiens

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<210> 179
<211> 1817
<212> DNA
<213> Homo sapiens

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atgctgagta tttcatagga aagctgaatg ctgctgtaaa gtgctcttta agtctttttt 180
ttttttaatc cccttctaata gaatgaaact aggggaattt caggggacag agatgggatt 240
tgttgatga taaactgtat gtagttttta gtctttctgt tttgagaagc agtggttggg 300
gcatttttaa gatggctggc tactcttggt ttccctcatg ataataaatt tgcataact 360
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ccaagcttct gatgattcac acctgtacta ctgattatta agcaggacag actgagcttt 480
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aaaaaaaaaa aaaaaaa 1817

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<210> 180
<211> 2382
<212> DNA
<213> Homo sapiens

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<400> 180
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ctttatgacg acagcttggt atggttgacg tttgggtctg gctttacgaa gatggcgacc 180
gtaacactcc ttagaaactg gcagtcgtat gttagtttca cttgtctact ttatatgtct 240
gatcaatttg gataccattt tgtccagatg caaaaacatt ccaaaagtaa tgtgttttagt 300
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cataaaaaat tagtatccct tttgtttggg ttgtgagtoa cctgaacctt aatttttaatt 540
ggtaattaca gccctaaaaa aaaacacatt tcaaataggc ttccactaa actctatatt 600

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cagctataca caatacagaa atgaatgagt gtggttatgt tctaataaaa cttattttata 780
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<210> 181
<211> 2377
<212> DNA
<213> Homo sapiens

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<400> 181
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<210> 182  
 <211> 1370  
 <212> DNA  
 <213> Homo sapiens

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<400> 182
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<210> 183  
 <211> 2060  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
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 <223> n=A,T,C or G

<400> 183

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gaagaccttt gagcaagaaa gtaccctgga acaaccat ttggactgca agtattagtt 180
gggtcttcca ggtgcctctc acagcagcag tcatggcagc agtgactcta gccatgtcca 240
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<210> 184  
 <211> 3079  
 <212> DNA  
 <213> Homo sapiens

<400> 184

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 ttaatgtcct tcttgaccat gatgggccct agtcccgact ggaacgtagg cttatctgca 1020  
 gaagatctgt gcaccaagga atgtggctgg gtccagaagg tgggtgcaaga cctgattccc 1080  
 tgggacgtg gcaccgacag cggggtgacc tatgagtcac ccaacaaacc caccattccc 1140  
 caggagaaaa tccggccctt gaccagcctg gaccatcctc agagtcttt ctatgacca 1200  
 gaggggtggg ccatcactca agtagccaga gttgtcatcg agagaatcgc acggaagggt 1260  
 gaacaatgca atattgtacc tgacaatgtc gatgatattg tagctgacct ggctccagaa 1320  
 gagaagatg aagatgacac cctgaaaacc tgcattctact ccaactggtc cccatggtcc 1380  
 gcctgacgtc cctccacctg tgacaaaggc aagaggatgc gacagcgcac gctgaaagca 1440  
 cagctggacc tcagcgtccc ctgcctgac acccaggact tccagccctg catgggccct 1500  
 ggctgcagtg acgaagacgg ctccacctgc accatgtccg agtggatcac ctggtcgccc 1560  
 tgcagcatct cctgcggcat gggcatgagg tcccgggaga ggtatgtgaa gcagttcccg 1620  
 gaggacggct ccgtgtgcac gctgcccact gaggaaatgg agaagtgcac ggtcaacgag 1680  
 gagtgtcttc ccagcagctg cctgatgacc gagtggggcg agtgggacga gtgcagcgcc 1740  
 acctgcggca tgggcatgaa gaagcggcac cgcatgatca agatgaacc cgcatggc 1800  
 tccatgtgca aagccgagac atcacaggca gagaagtgca tgatgccaga gtgccacacc 1860  
 atccccatgt tgtgtcccc atggtccgag tggagtact gcagcgtgac ctgcgggaag 1920  
 ggcattgcga cccgacagcg gatgtcaag tctctggcag aacttggaag ctgcaatgag 1980  
 gatctggagc aggtggagaa gtgcatgtc cctgaatgcc ccattgactg tgagctcacc 2040  
 gagtggctcc agtggtcgga atgtaacaag tcatgtggga aaggccacgt gattcgaacc 2100  
 cggatgatcc aaatggagcc tcagtttggg ggtgcaccct gccagagac tgtgcagcga 2160  
 aaaaagtgcc gcatccgaaa atgccttcca aatccatcca tccaaaagcc acgctggagg 2220  
 gaggcccgag agagccggcg gagtgcgccc atggaogccc tggtcagaat gcaccaaact gtgcggagg 2280  
 ccaggttgta ggaattcagg aacggtacat gactgtaaag aagagattca aaagctccca gtttaccagc 2400  
 tgcaaagaca agaaggagat cagagcatgc aatgttcatc cttgttagca agggtagcag 2460  
 ttccccaggg ctgcaactta gattccagag tcaccaatgg ctggattatt tgcttgitta 2520  
 agacaattta aattgtgtac gctagttttc atttttgcag tgtggttcgc ccagtagtct 2580  
 tgtggatgcc agagacatcc tttctgaata cttcttgatg ggtacaggct gagtggggcg 2640  
 cctcacctc cagccagcct ctctctgcag aggagttagt tcagccacct tgtactaagc 2700  
 tgaaacatgt ccctctggag ctccacctg gccaggagg acggagactt tgacctactc 2760  
 cacatggaga ggcaaccatg tctggaagt actatgcctg agtcccaggg tgccgagct 2820  
 aggaacatt cacagatgaa gacagcagat tccccacatt ctcatctttg gcctgttcaa 2880  
 tgaaaccatt gtttgcccat ctcttcttag tggaaactta ggtctctttt caagtctcct 2940  
 cagtcacaa tagttcctgg ggaaaaacag agctggtaga cttgaagagg agcattgatg 3000  
 ttgggtggct tttgttcttt cactgagaaa ttccgaatac atttgtctca cccctgatat 3060  
 tggttcctga tgccccagc 3079

<210> 185  
 <211> 3000  
 <212> DNA  
 <213> Homo sapiens

<400> 185  
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 gtgaccgtgg aggccatctg gccctgtgtt ttgatattggc aaaattaatg aatgcaatca 120  
 gaagaccttt gagcaagaaa gtacccctgga acaacccaat ttggactgca agtattagtt 180  
 gggctctcca ggtgcctctc acagcagcag ctatggcagc agtgactcta gccatgtcca 240  
 tgaccaactg ctgcataaca aatagccccg agactcagca gcttacaaca ggggtccccag 300

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<210> 186
<211> 807
<212> PRT
<213> Homo sapiens
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<400> 186  
Met Arg Leu Ser Pro Ala Pro Leu Lys Leu Ser Arg Thr Pro Ala Leu  
5 10 15  
Leu Ala Leu Ala Leu Pro Leu Ala Ala Ala Leu Ala Phe Ser Asp Glu  
20 25 30



Thr Leu Asp Lys Val Pro Lys Ser Glu Gly Tyr Cys Ser Arg Ile Leu  
 35 40 45  
 Arg Ala Gln Gly Thr Arg Arg Glu Gly Tyr Thr Glu Phe Ser Leu Arg  
 50 55 60  
 Val Glu Gly Asp Pro Asp Phe Tyr Lys Pro Gly Thr Ser Tyr Arg Val  
 65 70 75 80  
 Thr Leu Ser Ala Ala Pro Pro Ser Tyr Phe Arg Gly Phe Thr Leu Ile  
 85 90 95  
 Ala Leu Arg Glu Asn Arg Glu Gly Asp Lys Glu Glu Asp His Ala Gly  
 100 105 110  
 Thr Phe Gln Ile Ile Asp Glu Glu Glu Thr Gln Phe Met Ser Asn Cys  
 115 120 125  
 Pro Val Ala Val Thr Glu Ser Thr Pro Arg Arg Arg Thr Arg Ile Gln  
 130 135 140  
 Val Phe Trp Ile Ala Pro Pro Ala Gly Thr Gly Cys Val Ile Leu Lys  
 145 150 155 160  
 Ala Ser Ile Val Gln Lys Arg Ile Ile Tyr Phe Gln Asp Glu Gly Ser  
 165 170 175  
 Leu Thr Lys Lys Leu Cys Glu Gln Asp Ser Thr Phe Asp Gly Val Thr  
 180 185 190  
 Asp Lys Pro Ile Leu Asp Cys Cys Ala Cys Gly Thr Ala Lys Tyr Arg  
 195 200 205  
 Leu Thr Phe Tyr Gly Asn Trp Ser Glu Lys Thr His Pro Lys Asp Tyr  
 210 215 220  
 Pro Arg Arg Ala Asn His Trp Ser Ala Ile Ile Gly Gly Ser His Ser  
 225 230 235 240  
 Lys Asn Tyr Val Leu Trp Glu Tyr Gly Gly Tyr Ala Ser Glu Gly Val  
 245 250 255  
 Lys Gln Val Ala Glu Leu Gly Ser Pro Val Lys Met Glu Glu Glu Ile  
 260 265 270  
 Arg Gln Gln Ser Asp Glu Val Leu Thr Val Ile Lys Ala Lys Ala Gln  
 275 280 285  
 Trp Pro Ala Trp Gln Pro Leu Asn Val Arg Ala Ala Pro Ser Ala Glu  
 290 295 300  
 Phe Ser Val Asp Arg Thr Arg His Leu Met Ser Phe Leu Thr Met Met  
 305 310 315 320  
 Gly Pro Ser Pro Asp Trp Asn Val Gly Leu Ser Ala Glu Asp Leu Cys  
 325 330 335

Thr Lys Glu Cys Gly Trp Val Gln Lys Val Val Gln Asp Leu Ile Pro  
 340 345 350  
 Trp Asp Ala Gly Thr Asp Ser Gly Val Thr Tyr Glu Ser Pro Asn Lys  
 355 360 365  
 Pro Thr Ile Pro Gln Glu Lys Ile Arg Pro Leu Thr Ser Leu Asp His  
 370 375 380  
 Pro Gln Ser Pro Phe Tyr Asp Pro Glu Gly Gly Ser Ile Thr Gln Val  
 385 390 395 400  
 Ala Arg Val Val Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn  
 405 410 415  
 Ile Val Pro Asp Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu  
 420 425 430  
 Glu Lys Asp Glu Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp  
 435 440 445  
 Ser Pro Trp Ser Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg  
 450 455 460  
 Met Arg Gln Arg Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys  
 465 470 475 480  
 Pro Asp Thr Gln Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp  
 485 490 495  
 Glu Asp Gly Ser Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro  
 500 505 510  
 Cys Ser Ile Ser Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val  
 515 520 525  
 Lys Gln Phe Pro Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu  
 530 535 540  
 Met Glu Lys Cys Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu  
 545 550 555 560  
 Met Thr Glu Trp Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met  
 565 570 575  
 Gly Met Lys Lys Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly  
 580 585 590  
 Ser Met Cys Lys Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro  
 595 600 605  
 Glu Cys His Thr Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser  
 610 615 620  
 Asp Cys Ser Val Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met  
 625 630 635 640

Leu Lys Ser Leu Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln  
 645 650 655  
 Val Glu Lys Cys Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr  
 660 665 670  
 Glu Trp Ser Gln Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His  
 675 680 685  
 Val Ile Arg Thr Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala  
 690 695 700  
 Pro Cys Pro Glu Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys  
 705 710 715 720  
 Leu Arg Asn Pro Ser Ile Gln Lys Pro Arg Trp Arg Glu Ala Arg Glu  
 725 730 735  
 Ser Arg Arg Ser Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe  
 740 745 750  
 Pro Gly Cys Arg Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys  
 755 760 765  
 Leu Cys Gly Gly Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg  
 770 775 780  
 Phe Lys Ser Ser Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg  
 785 790 795 800  
 Ala Cys Asn Val His Pro Cys  
 805

<210> 187  
 <211> 892  
 <212> DNA  
 <213> Homo sapiens

<400> 187  
 tttattgatg tttcaacag cacttattca aataagttat atatttgaaa acagccatgg 60  
 taagcatcct tggcttctca cccattcctc atgtggcatg ctttctagac tttaaaatga 120  
 ggtaccctga atagcactaa gtgctctgta agctcaagga atctgtgcag tgctacaaag 180  
 cccacaggca gagaaagaac tcctcaagtg cttgtggtca gagactaggt tccatgatgag 240  
 gcacacctat gatgaaggtc ttcaacctca gaaggtgaca ctgttcagag atcctcattt 300  
 cctggagagt gggagaaaat ccctcctttg ggaaatccct tttcccagca gcagagccca 360  
 cctcattgct tagtgatcat ttggaaggca ctgagagcct tcaggggctg acagcagaga 420  
 aatgaaaatg agtacagttc agatggtgga agaagcatgg cagtgcacatc ttccatgctc 480  
 tttttctcag tgtctgcaac tccaaagatc aaggccataa cccaggagac catcaacgga 540  
 agattagttc tttgtcaagt gaatgaaatc caaaagcacg catgagacca atgaaagttt 600  
 ccgcctgttg taaaatctat ttcccccaa ggaaagtcct tgcacagaca ccagtgaagt 660  
 agttctaaaa gatacccttg gaattatcag actcagaaac ttttattttt tttttctgta 720  
 acagtctcac cagacttctc ataatgctct taatatattg cacttttcta atcaaagtgc 780  
 gagtttatga gggtaaagct ctactttcct actgcagcct tcagattctc atcattttgc 840  
 atctattttg tagccaataa aactccgcac tagcaaaaaa aaaaaaaaaa aa 892

<210> 188

<211> 1448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1448)  
 <223> n = A,T,C or G

<400> 188  
 tgtgactcac atttctttta ctgtgacaca ataatgtgat cctaaaactg gcttatcctt 60  
 gagtgtttac aactcaaaca actttttgaa tgcagtagtt tttttttttt aaaaacaaac 120  
 ttttatgtca aatttttttt cttagaagta gtcttcatta ttataaattt gtacaccaa 180  
 aggccatggg gaactttgtg caagtacctc atcgctgagc aaatggagct tgctatgttt 240  
 taatttcaga aaatttcctc atatacgtag tgtgtagaat caagtctttt aataattcat 300  
 tttttcttca taatatattac tcaaagttaa gcttaaaaaat aagttttatc ttaaaatcat 360  
 atttgaagac agtaagacag taaactatth taggaagtca acccccattg cactctgtgg 420  
 cagttattct ggtaaaaata ggcaaaagtg acctgaatct acaatgggtg cccaaagtaa 480  
 ccaagtaaga gagattgtaa atgataaacc gagcttttaa ggataaagtg ttaataaaga 540  
 aaggaagctg ggcacatgtc aaaaagggag atcgaaatgt taggtaatca tttagaaaag 600  
 acagaaaata tttaaagtgg ctcataggta atgaatattt ctgacttaga tgtaaatcca 660  
 tctggaatct ttacatcctt tgccagctga aacaagaaag tgaagggaca atgatatttc 720  
 atggtcagtt tatthttgtaa gagacagaag aaatttatatc tatacattac cttgtagcag 780  
 cagtacctgg aagccccagc ccgtcacaga agtgtggagg ggggctcctg actagacaat 840  
 ttccctagcc cttgtgattt gaagcatgaa agttctggca gggtatgagc agcactaggg 900  
 ataaagtatg gttttatttt ggtgtaattt aggtttttca acaaagccct tgtctaaaat 960  
 aaaaggcatt attggaaata tttgaaaact agaaaatgat ggataaaagg gctgataaga 1020  
 aaatttctga ctgtcagtag aagtgaata agatcctcag aggaaacagt aagaagggat 1080  
 aatcattaag atagtaaaac aggcaaagca gaatcacatg tgcncacaca catacacatg 1140  
 taaacattgg aatgcataag ttttaatat ttagcgctat cagtttctaa atgcattaat 1200  
 tactaactgc cctctcccaa gattcattta gttcaaacag tatccgtaaa ctaggaataa 1260  
 tgccacatgc attcaatggg atcttttaag tactcttcag tttgtttcaa gaaatgtgcc 1320  
 tactgaaatc aaattaattt gtattcaatg tgtacttcaa gactgcta at tgtttcatct 1380  
 gaaagcctac aatgaatcat tgttcamcct tgaanaataa aattttgtaa atcaaaaaaa 1440  
 aaaaaaaa 1448

<210> 189  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<400> 189  
 ttttgggagc acggactgtc agttctctgg gaagtgggtc ggcgatcctg cagggcttct 60  
 cctcctctgt cttttggaga accagggctc ttctcagggg ctctagggac tgccaggctg 120  
 tttcagccag gaaggccaaa atcaagagtg agatgtagaa agttgtaaaa tagaaaaagt 180  
 ggagttgggt aatcggttgt tctttcctca catttggtatg attgtcataa ggttttttagc 240  
 atgttcctcc ttttcttcac cctccccttt tttcttctat taatcaagag aaacttcaaa 300  
 gttaatggga tggtcggatc tcacaggctg agaactcggt cacctccaag catttcatga 360  
 aaaagctgct tcttattaat cataaaaact ctaccatga tgtgaagagt ttcacaaatc 420  
 cttcaaaaata aaaagtaatg acttaaaaaa aaaaaaaaaa 460

<210> 190  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<400> 190

```
<210> 191
<211> 489
<212> DNA
<213> Homo sapiens
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<400>	191						
atataaatta	gactaagtgt	tttcaaataa	atctaaatct	tcagcatgat	gtgtttgtgta	60	
taattggagt	agatattaat	taagtcccct	gtataatggt	ttgtaatgtt	gcaaaacata	120	
tcttgagttg	tttaaacagt	caaaatgttt	gatattttat	accagcttat	gagctcaaag	180	
tactacagca	aagcctagcc	tgcatatcat	tcacccaaaa	caaagtaata	gcgcctcttt	240	
tattatttttg	actgaatggt	ttatggaatt	gaaagaaaca	tacgttcttt	tcaagacttc	300	
ctcatgaatc	tntcaattat	aggaaaagtt	attgtgataa	aataggaaca	gctgaaagat	360	
tgattaatga	actattgtta	attcttccta	ttttaatgaa	tgacattgaa	ctgaattttt	420	
tgctctgtta	atgaacttga	tagctaataa	aaagncaact	agccatcaaa	aaaaaaaaaa	480	
aaaaaaaaaa						489	

```
<210> 192
<211> 516
<212> DNA
<213> Homo sapiens
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<400>	192					
acttcaaagc	cagctgaagg	aaagaggaag	tgctagagag	agcccccttc	agtgtgcttc	60
tgacttttac	ggacttggct	tgttagaagg	ctgaaagatg	atggcaggaa	tgaaaatcca	120
gcttgatatc	atgctactcc	tggctttcag	ctcctggagt	ctgtgctcag	attcagaaga	180
ggaaatgaaa	gcattagaag	cagatttctt	gaccaatatg	catacatcaa	agattagtaa	240
agcacatgtt	ccctcttgga	agatgactct	gctaaatgtt	tgcagtcttg	taaataattt	300
gaacacccca	gctgaggaaa	caggagaagt	tcatgaagag	gagcttgttg	caagaaggaa	360
cttcttactc	ctttagatgg	ctttagcttg	gaagcaatgt	tgacaatata	ccagctccac	420
aaaatctgtc	acagcagggc	ttttcaacac	tgggagttaa	tccaggaaga	tattcttgat	480
actggaaatg	acaaaaatgg	aaaggaagaa	gtcata			516

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<210> 193
<211> 1409
<212> DNA
<213> Homo sapiens
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<400> 193
tgattctttt caaaaacttt tagccatagg gtcttttata gacagggata gtaaaatgaa 60
aattgagaaa tataagatga aaaggaatgg taaaaatat ttttaggggg cttttaattg 120
gtgatctgaa atcttgggag aaagctgttct tttcaggcct gaggtgctct tgactgtcgc 180
ctgcgcactq tqtaccccgq qcaacattct aagggtgtgc tttcgctttg gctaactcct 240
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ttgacctcat	tcttcatata	gtagtctagg	aaaaagttag	aggtaattta	aactgtctag	300
tggtacatag	taactgaatt	tctattccta	tgagaaatga	gaattattta	tttgccatca	360
acacattttta	tactttgcat	ctccaaatth	attgcggcga	gacttggtcca	ttgtgaaagt	420
tagagaacat	tatgtttgta	tcattttcttt	cataaaacct	caagagcatt	tttaagccct	480
tttcatcaga	cccagtgaat	actaaggata	gatgtttttt	aactggaggt	ctcctgataa	540
ggagaacaca	atccaccatt	gtcattttaag	taataagaca	ggaaattgac	cttgacgctt	600
tcttggttaa	tagatttaac	aggaacatct	gcacatcttt	tttccttggt	cactatttgt	660
ttaattgcag	tggattaata	cagcaagagt	gccacattat	aactaggcaa	ttatccattc	720
ttcaagactt	agttattgtc	acactaattg	atcgttttaag	gcataagatg	gtctagcatt	780
aggaacatgt	gaagctaatt	tgctcaaaaa	gatcaacaaa	ttaatattgt	tgctgatatt	840
tgcataattg	gctgcaatta	tttaattgttt	aattgggttg	atcaaatgag	attcagcaat	900
tcacaagtgc	attaatataa	acagaactgg	ggcacttaaa	atgataatga	ttactttata	960
ttgcatgttc	tcttcctttc	acttttttca	gtgtctacat	ttcagaccga	gtttgtcagc	1020
ttttttgaaa	acacatcagt	agaaaccaag	atttttaaat	gaagtgtcaa	gacgaaggca	1080
aaacctgagc	agttcctaaa	aagatttgtt	gttagaaatt	ttcctttgtg	cagtcattta	1140
tttaaggattc	aactcgtgat	acaccaaaa	aagagttgac	ttcagagatg	tggtccatgc	1200
tctctagcac	aggaatgaat	aaattttata	cacctgtctt	agcctttgtt	ttcaaaagca	1260
caaaggaaaa	gtgaaaggga	aagagaaaac	agtgcactgag	aagtcttggt	aaggaatcag	1320
gttttttcta	cctggtaaac	attctctatt	cttttctcaa	aagattgttg	taagaaaaaa	1380
tgtaagmcaa	aaaaaaaaaa	aaaaaaaaaa				1409

<210> 194  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 194						
cagatttcgg	tagccatctc	cctccaaata	tgtctctttc	tgctttctta	gtgcccatta	60
tttccccttc	tcctttcttc	tgtaactgcc	atctccttct	tggtcttccc	attgttcttt	120
aactggccgt	aatgtggaat	tgatattttac	attttgatag	gggttttttt	ttggcctgtg	180
tacgggattg	cctcatttcc	tgctctgaat	tttaaaatta	gatattaaag	ctgtcatatg	240
gtttcctcac	aaaagtcac	aaagtccaaa	caaaaatagt	ttgccgtttt	actttcatcc	300
attgaaaaag	gaaattgtgc	ctcttgacgc	ctaggcaaa	gacatttagt	actatcgatt	360
ctttccaccc	tcacgatgac	ttgcggttct	ctctgtagaa	aagggatggc	ctaagaaata	420
caactaaaaa	aaaaaaaaaa	a				441

<210> 195  
 <211> 707  
 <212> DNA  
 <213> Homo sapiens

<400> 195						
cagaaaaata	tttgaaaaaa	atataccact	tcatagctaa	gtcttacaga	gaagaggatt	60
tgctaataaa	acttaagttt	tgaaaattaa	gatgcaggta	gagcttctga	actaatgcc	120
acagctccaa	ggaagacatg	tcctattttag	ttattcaaat	acaagttgag	ggcattgtga	180
ttaagcaaac	aatatatttg	ttagaacttt	gttttttaaa	tactgttcct	tgacattact	240
tataaagagt	ctctaacttt	cgattttctaa	aactatgtaa	tacaaaagta	tagtttcccc	300
atttgataaa	aggccaatga	tactgagtag	gatatatgog	tatcatgcta	cttcattcag	360
tgtgtctgtt	tttaatacta	ataaggcagt	ttgacagaaa	ttatttcttt	gggactaagg	420
tgattatcat	ttttttcccc	ttcaaaaattg	tgcttttaagt	gctgataacc	acaggcagat	480
tgcaaagaac	tgataaggca	acaaaagtag	agaatttttag	gatcaaaggc	atgtaactga	540
aaggtataca	cagtacataa	gcgacaactg	gggaaggcag	cagtgaacaa	tgtttggtgg	600
gttaagttag	tcattgtaaa	taagggaattt	gcacatttat	tttctgtcga	cgcgcccgcc	660
actgtgctgg	atatctgcag	aattccacca	cactggacta	gtggatc		707

<210> 196  
 <211> 552

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(552)  
<223> n = A,T,C or G

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<400> 196
tgGCCagcca gcctgatgtg gatggcttcc ttgggggtggt gcttccctca agcccggaatt 60
ngtggacatc atcaatgcc aacaatgagc cccatccatt ttcctaccc ttcctgcca 120
gccagggant aagcagccca gaagcccagt aactgccctt tccctgcata tgcttttgat 180
ggtgtcatnt gctccttcct gtggcctcat ccaaactgta tnttccttta ctgtttatat 240
nttcacctg taatggttgg gaccaggcca atccctntc cacttactat aatggttga 300
actaaacgtc accaaggtgg ctnttccttg gctgaganat ggaaggcgtg gtgggatttg 360
ctnctgggtt ccctaggccc tagtgagggc agaagagaaa ccatcctntc cctntttaca 420
ccgtgaggcc aagatcccct cagaaggcag gagtgtgtgc ctntcccatg gtgcccgtgc 480
ctntgtgtct tgtatgtgaa ccacccatgt gaggaataa acctggcact agggaaaaaa 540
aaaaaaaaaa aa 552
```

<210> 197  
<211> 449  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(449)  
<223> n = A,T,C or G

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<400> 197
ctccagagac aacttcgcgg tgttgtgaac tctctgagga aaaacacgtg cgtggnanca 60
agtgactgag acctanaaat ccaagcgttg gaggtcctga ggccagccta agtcgcttca 120
aaatggaacg aaggcgtttg cggggttcca ttcagagccg atacatcagc atgagtgtgt 180
ggacaagccc acggagactt gtggagctgg cagggcagag cctgctgaag gatgaggccc 240
tgGCCattgc ccgccctgga gttgctgccc agggagctct tcccgccact cttcatggca 300
gcctttgacg ggagacacag ccagaccctg aaggcaatgg tgcaggcctg gcccttcacc 360
tgctccctc tgggagtgt gatgaaggga caacatcttc acctggagac cttcaaagct 420
gtgcttgatg gacttgatgt gctccttgc 449
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<210> 198  
<211> 606  
<212> DNA  
<213> Homo sapiens

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<400> 198
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tgctaaacat ctttcaacgc acaggacaga gcccacaaa agagaattat ctagccccaa 180
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ctcaacgtcc cgagccaggg ctcaaggcaa ttccaataac agtagaatga aactaaata 360
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tctagtttt agcattgaaa gtttcaggtt ccaggaaagc cctcaggcct gggctgtgtg 480
tcaccctagc agctgaggga ctcttcaata cagaattagt ctttgtgcac tggagatgaa 540
tatactttta tttgtaacat gtgaaaacat ctataaacat ctactgaagc ctgttcttgt 600
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606

<400> 199						
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ggtgaacggt	caagacatgt	gtcagaaaga	agtgatggag	caaagtgccg	ggatcatgta	180
ccgcaagtcc	tgtgcatcat	cagcggcctg	tctcatcgcc	tctgccgggt	accagtcctt	240
ctgtccccc	gggaaactga	actcagtttg	catcagctgc	tgcaacaccc	ctctttgtaa	300
cggcccaagg	cccaagaaaa	ggggaagttc	tgctctcgcc	ctcangccat	ggctccgcac	360
cagcatcct						369

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<400> 200
Met Tyr Arg Asn Trp Ser Gly Cys Phe Gly Leu Gln Val Thr Leu Cys
          5          10          15

His Thr Phe Glu Thr Arg Asp Leu Ser Arg Leu Ser Ser Asp Ser Gln
          20          25          30

Pro Thr Ser Asn Val Ser Gln Ser Ile Ser His Lys Val Leu Ser Phe
          35          40          45

Ser Gly Val Ile Val Thr Pro
          50          55

```

```

<400> 201
Met Gln Leu Leu Ser Pro Asn Thr Lys Phe Thr Ser Cys Leu Ser Arg
      5              10              15

Gln Arg Gly Asn Leu Val Phe Leu Gly Asp Leu Lys Gly Cys Ser Glu
      20              25              30

Leu Lys Asn Phe Gln Glu Leu Ile Asn Gln Ser Ala Leu Val His Pro
      35              40              45

Arg Val Asp Val Trp Trp Tyr Cys Gly Gly Pro Leu Leu Gly Thr Leu

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50 55 60

Pro Asn Asn  
65

<210> 202  
<211> 73  
<212> PRT  
<213> Homo sapiens

<400> 202  
Met Thr Pro Glu Lys Leu Arg Thr Leu Cys Glu Ile Asp Trp Leu Thr  
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Leu Glu Val Gly Trp Leu Ser Glu Glu Ser Leu Glu Arg Ser Leu Val  
20 25 30  
Ser Lys Val Trp His Lys Val Thr Cys Lys Pro Lys His Pro Asp Gln  
35 40 45  
Phe Leu Tyr Ile Asp Ser Tyr Ser Trp Phe Arg Pro Leu Pro Pro Leu  
50 55 60  
Pro Thr Val Val Lys Arg Thr Ala Ala  
65 70

<210> 203  
<211> 2008  
<212> DNA  
<213> Homo sapiens

<400> 203  
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aaatggaacg aaggcgtttg cggggttcca ttcagagcgc atacatcagc atgagtgtgt 180  
ggacaagccc acggagactt gtggagctgg cagggcagag cctgctgaag gatgaggccc 240  
tggccattgc ccgccctgga gttgctgccc agggagctct tcccgccact cttcatggca 300  
gcctttgacg ggagacacag ccagaccctg aaggcaatgg tgcaggcctg gcccttcacc 360  
tgcctccctc tgggagtgtc gatgaaggga caacatcttc acctggagac cttcaaagct 420  
gtgcttgatg gacttgatgt gctccttgcc caggagggtc gcccaggag gtggaaactt 480  
caagtgtctg atttacggaa gaactctcat caggacttct ggactgtatg gtctggaaac 540  
agggccagtc tgtactcatt tccagagcca gaagcagctc agcccatgac aaagaagcga 600  
aaagtagatg gtttgagcac agaggcagag cagcccttca ttccagtaga ggtgctcgta 660  
gacctgttcc tcaaggaagg tgctgtgat gaattgttct cctacctcat tgagaaagtg 720  
aagcgaagaa aaaatgtact acgcctgtgc tgaagaagc tgaagatttt tgcaatgccc 780  
atgcaggata tcaagatgat cctgaaaatg gtgcagctgg actctattga agatttggaa 840  
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<210> 204
<211> 923
<212> DNA
<213> Homo sapiens

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<400> 204
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tgctaaacat ctttcaacgc acaggacaga gcccacaaa agagaattat ctagcccca 180
atgtccataa cactgctgtt gagaaaacct accgcaggat cttactgggc ttcataggta 240
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<210> 205
<211> 1619
<212> DNA
<213> Homo sapiens

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<400> 205
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<210> 206  
 <211> 2364  
 <212> DNA  
 <213> Homo sapiens

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gtaaagaaga gattcaaaag ctcccagttt accagctgca aagacaagaa ggagatcaga 2340
gcatgcaatg ttcatccttg ttag                                     2364

```

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<210> 207
<211> 787
<212> PRT
<213> Homo sapiens

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<400> 207
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                20                      25                      30
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                35                      40                      45
Pro Asp Phe Tyr Lys Pro Gly Thr Ser Tyr Arg Val Thr Leu Ser Ala
                50                      55                      60
Ala Pro Pro Ser Tyr Phe Arg Gly Phe Thr Leu Ile Ala Leu Arg Glu
                65                      70                      75                      80
Asn Arg Glu Gly Asp Lys Glu Glu Asp His Ala Gly Thr Phe Gln Ile
                85                      90                      95
Ile Asp Glu Glu Glu Thr Gln Phe Met Ser Asn Cys Pro Val Ala Val
                100                      105                      110
Thr Glu Ser Thr Pro Arg Arg Arg Thr Arg Ile Gln Val Phe Trp Ile
                115                      120                      125
Ala Pro Pro Ala Gly Thr Gly Cys Val Ile Leu Lys Ala Ser Ile Val
                130                      135                      140
Gln Lys Arg Ile Ile Tyr Phe Gln Asp Glu Gly Ser Leu Thr Lys Lys
                145                      150                      155                      160
Leu Cys Glu Gln Asp Ser Thr Phe Asp Gly Val Thr Asp Lys Pro Ile
                165                      170                      175
Leu Asp Cys Cys Ala Cys Gly Thr Ala Lys Tyr Arg Leu Thr Phe Tyr
                180                      185                      190
Gly Asn Trp Ser Glu Lys Thr His Pro Lys Asp Tyr Pro Arg Arg Ala
                195                      200                      205
Asn His Trp Ser Ala Ile Ile Gly Gly Ser His Ser Lys Asn Tyr Val
                210                      215                      220
Leu Trp Glu Tyr Gly Gly Tyr Ala Ser Glu Gly Val Lys Gln Val Ala
                225                      230                      235                      240
Glu Leu Gly Ser Pro Val Lys Met Glu Glu Glu Ile Arg Gln Gln Ser
                245                      250                      255
Asp Glu Val Leu Thr Val Ile Lys Ala Lys Ala Gln Trp Pro Ala Trp
                260                      265                      270
Gln Pro Leu Asn Val Arg Ala Ala Pro Ser Ala Glu Phe Ser Val Asp
                275                      280                      285
Arg Thr Arg His Leu Met Ser Phe Leu Thr Met Met Gly Pro Ser Pro
                290                      295                      300
Asp Trp Asn Val Gly Leu Ser Ala Glu Asp Leu Cys Thr Lys Glu Cys
                305                      310                      315                      320
Gly Trp Val Gln Lys Val Val Gln Asp Leu Ile Pro Trp Asp Ala Gly
                325                      330                      335
Thr Asp Ser Gly Val Thr Tyr Glu Ser Pro Asn Lys Pro Thr Ile Pro
                340                      345                      350
Gln Glu Lys Ile Arg Pro Leu Thr Ser Leu Asp His Pro Gln Ser Pro
                355                      360                      365
Phe Tyr Asp Pro Glu Gly Gly Ser Ile Thr Gln Val Ala Arg Val Val

```

370		375		380
Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn Ile Val Pro Asp				
385		390		400
Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu Glu Lys Asp Glu				
	405		410	415
Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp Ser Pro Trp Ser				
	420		425	430
Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg Met Arg Gln Arg				
	435		440	445
Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys Pro Asp Thr Gln				
	450		455	460
Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp Glu Asp Gly Ser				
465		470		480
Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro Cys Ser Ile Ser				
	485		490	495
Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val Lys Gln Phe Pro				
	500		505	510
Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu Thr Glu Lys Cys				
	515		520	525
Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu Met Thr Glu Trp				
530		535		540
Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met Gly Met Lys Lys				
545		550		560
Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly Ser Met Cys Lys				
	565		570	575
Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro Glu Cys His Thr				
	580		585	590
Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser Asp Cys Ser Val				
	595		600	605
Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met Leu Lys Ser Leu				
610		615		620
Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln Val Glu Lys Cys				
625		630		640
Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr Glu Trp Ser Gln				
	645		650	655
Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His Val Ile Arg Thr				
	660		665	670
Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala Pro Cys Pro Glu				
	675		680	685
Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys Leu Arg Asn Pro				
	690		695	700
Ser Ile Gln Lys Leu Arg Trp Arg Glu Ala Arg Glu Ser Arg Arg Ser				
705		710		720
Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe Pro Gly Cys Arg				
	725		730	735
Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys Leu Cys Gly Gly				
	740		745	750
Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg Phe Lys Ser Ser				
	755		760	765
Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg Ala Cys Asn Val				
	770		775	780
His Pro Cys				
785				

<210> 208  
 <211> 1362  
 <212> DNA

<213> Homo sapiens

<400> 208

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<210> 209

<211> 453

<212> PRT

<213> Homo sapiens

<400> 209

```

Met Ala Ser Pro Ser Leu Pro Gly Ser Asp Cys Ser Gln Ile Ile Asp
                    5              10              15
His Ser His Val Pro Glu Phe Glu Val Ala Thr Trp Ile Lys Ile Thr
                20              25              30
Leu Ile Leu Val Tyr Leu Ile Ile Phe Val Met Gly Leu Leu Gly Asn
                35              40              45
Ser Ala Thr Ile Arg Val Thr Gln Val Leu Gln Lys Lys Gly Tyr Leu
                50              55              60
Gln Lys Glu Val Thr Asp His Met Val Ser Leu Ala Cys Ser Asp Ile
                65              70              75              80
Leu Val Phe Leu Ile Gly Met Pro Met Glu Phe Tyr Ser Ile Ile Trp
                85              90              95
Asn Pro Leu Thr Thr Ser Ser Tyr Thr Leu Ser Cys Lys Leu His Thr
                100             105             110
Phe Leu Phe Glu Ala Cys Ser Tyr Ala Thr Leu Leu His Val Leu Thr
                115             120             125
Leu Ser Phe Glu Arg Tyr Ile Ala Ile Cys His Pro Phe Arg Tyr Lys
                130             135             140
Ala Val Ser Gly Pro Cys Gln Val Lys Leu Leu Ile Gly Phe Val Trp
                145             150             155             160
Val Thr Ser Ala Leu Val Ala Leu Pro Leu Leu Phe Ala Met Gly Thr
                165             170             175
Glu Tyr Pro Leu Val Asn Val Pro Ser His Arg Gly Leu Thr Cys Asn
                180             185             190

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Arg Ser Ser Thr Arg His His Glu Gln Pro Glu Thr Ser Asn Met Ser
      195                200                205
Ile Cys Thr Asn Leu Ser Ser Arg Trp Thr Val Phe Gln Ser Ser Ile
      210                215                220
Phe Gly Ala Phe Val Val Tyr Leu Val Val Leu Leu Ser Val Ala Phe
225      230      235      240
Met Cys Trp Asn Met Met Gln Val Leu Met Lys Ser Gln Lys Gly Ser
      245                250                255
Leu Ala Gly Gly Thr Arg Pro Pro Gln Leu Arg Lys Ser Glu Ser Glu
      260                265                270
Glu Ser Arg Thr Ala Arg Arg Gln Thr Ile Ile Phe Leu Arg Leu Ile
      275                280                285
Val Val Thr Leu Ala Val Cys Trp Met Pro Asn Gln Ile Arg Arg Ile
      290                295                300
Met Ala Ala Ala Lys Pro Lys His Asp Trp Thr Arg Ser Tyr Phe Arg
305      310      315      320
Ala Tyr Met Ile Leu Leu Pro Phe Ser Glu Thr Phe Phe Tyr Leu Ser
      325                330                335
Ser Val Ile Asn Pro Leu Leu Tyr Thr Val Ser Ser Gln Gln Phe Arg
      340                345                350
Arg Val Phe Val Gln Val Leu Cys Cys Arg Leu Ser Leu Gln His Ala
      355                360                365
Asn His Glu Lys Arg Leu Arg Val His Ala His Ser Thr Thr Asp Ser
      370                375                380
Ala Arg Phe Val Gln Arg Pro Leu Leu Phe Ala Ser Arg Arg Gln Ser
385      390      395      400
Ser Ala Arg Arg Thr Glu Lys Ile Phe Leu Ser Thr Phe Gln Ser Glu
      405                410                415
Ala Glu Pro Gln Ser Lys Ser Gln Ser Leu Ser Leu Glu Ser Leu Glu
      420                425                430
Pro Asn Ser Gly Ala Lys Pro Ala Asn Ser Ala Ala Glu Asn Gly Phe
      435                440                445
Gln Glu His Glu Val
      450

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<210> 210
<211> 625
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(625)
<223> n = A,T,C or G

```

```

<400> 210
agttctcctt gcagaggact ggcgccggga cgccaagagc aacggggcgt gcacaaagcg 60
ggcgctgtcg gtggtggagt gcgcatgtac gcgcaggcgc ttctcgtggt tggcgtgctg 120
cagcgacagg cggcagcaca gcacctgcac gaacacccgc cgaaactgct gcgaggacac 180
cgtgtacagg agcgggttga tgaccgagct gaggtagaaa aacgtctccg agaaggggag 240
gaggatcatg tacgcccgga agtaggacct cgtccagtcg tgcttggtt tggccgcagc 300
catgatcctc cgaatctggt tgggcatcca gcatacggcc aatgtcacia caatcagccc 360
tgggcagaca cgagcaggag ggagagacag agaaaagaaa aacacagcat gagaacacag 420
taaataaata aaaccataaa atatttagcc cctctgttct gtgcttactg gccaggaaat 480
ggtaccaatt ttctagtgtt ggacttgaca gcttcttttg ccacaagcaa gagagaattt 540
aacactgttt caaacccggg ggagttggct gtgttaaaga aagaccatta aatgctttag 600
acagtgnaaa aaaaaaaaaa aaaaaa 625

```

<210> 211  
 <211> 1619  
 <212> DNA  
 <213> Homo sapiens

<400> 211  
 ggcaactttt tgcggattgt tcttgcttcc aggcctttgcg ctgcaaatcc agtgctacca 60  
 gtgtgaagaa ttocagctga acaacgactg ctctctcccc gagttcattg tgaattgcac 120  
 ggtgaacggt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180  
 ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgcccggg accagtcctt 240  
 ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300  
 cgggccaagg cccaagaaaa ggggaagttc tgccctcgcc ctcaggccag ggctccgcac 360  
 caccatcctg ttccctcaaat tagccctctt ctcggcacac tgctgaagct gaaggagatg 420  
 ccacccctc ctgcattggt cttccagccc tcgccccaa ccccccacct ccctgagtg 480  
 gtttctctg ggtgtccttt tattctgggt agggagcggg agtccgtgtt ctctttgtt 540  
 cctgtgcaaa taatgaaaga gctcggtaaa gcattctgaa taaattcagc ctgactgaat 600  
 tttcagtatg tacttgaagg aaggaggtgg agtgaaagt caccatcatg tctgtgtaac 660  
 cggagtcaag gccaggtgg cagagtcagt ccttagaagt cactgaggtg ggcatctgcc 720  
 ttttgtaaag cctccagtgt ccattccatc cctgatggg gcatagtttg agactgcaga 780  
 gtgagagtga cgttttctta gggctggagg gccagttccc actcaaggct ccctcgcttg 840  
 acattcaaac ttcattgctc tgaaaaacct tctctgcagc agaattggct ggtttcgccg 900  
 ctgagttggg ctctagtgc tgcagactca atgactggga cttagactgg ggctcggcct 960  
 cgctctgaaa agtgcttaag aaaatcttct cagttctcct tgcagaggac tggcgccggg 1020  
 acgcaagag caacgggcgc tgcaaaaagc gggcgctgtc ggtggtggag tgcgcatgta 1080  
 cgcgaggcg cttctcgtgg ttggcggtgc gcagcgacag gcggcagcac agcaccttgc 1140  
 acgaacaccc gccgaaactg ctgcgaggac accgtgtaca ggagcgggtt gatgaccgag 1200  
 ctgaggtaga aaaacgtctc cgagaagggg agggagatca tgtacgcccg gaagtaggac 1260  
 ctcgctccagt cgtgcttggg tttggccgca gccatgatcc tccgaatctg gttgggcctc 1320  
 cagcataccg ccaatgtcac aacaatcagc cctgggcaga cacgagcagg agggagagac 1380  
 agagaaaaga aaaacacagc atgagaacac agtaaatgaa taaaaccata aaatatttag 1440  
 cccctctgtt ctgtgcttac tggccaggaa atggtaccaa tttttcagtg ttggacttga 1500  
 cagcttcttt tgccacaagc aagagagaat ttaacactgt ttcaaacccg ggggagttgg 1560  
 ctgtgttaaa gaaagaccat taaatgcttt agacagtgt aaaaaaaaaa aaaaaaaaaa 1619

<210> 212  
 <211> 1010  
 <212> DNA  
 <213> Homo sapiens

<400> 212  
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 acagccgctg cagcctgggg cagcctccgc tgctgtcgcc toctctgatg cgtttgccct 180  
 ctccctggcc ccgggactcc gggagaatgt gggtcctagg catcgggca actttttgcg 240  
 gattgttctt gcttccaagg ctttgcgctg caaatccagt gctaccagt tgaagaattc 300  
 cagctgaaca acgactgtc ctccccgag ttcatgtga attgcacggt gaacgttcaa 360  
 gacatgtgtc agaaagaagt gatggagcaa agtgccggga tcatgtaccg caagtccgtg 420  
 gcatcatcag cggcctgtct catcgctct gcgggtacc agtccttctg ctccccaggg 480  
 aaactgaact cagtttgcac cagctgctgc aacacccctc tttgtaaccc ggccaaggcc 540  
 caagaaaagg ggaagtctc cctcgccct caggccaggg ctccgaacca ccatcctgtc 600  
 cctcaaatga agccctact ctcggcacac tgctggaagc ttgaaggagg aaggcaccca 660  
 ctccctgcata gtccatccag gcctcgcccc acacacccca ctccctgaga gagcacgccc 720  
 agggagacca aaaaccggga taggcaacgg accccagac accacaaggg acccgaggac 780  
 aaagacgcag acaactcgcg aaagccaccc acgaatacaa cggcccgaa acagatataa 840  
 cgacagagcc ccgaccgaca agagaagaag cagaagaaac acccacagac agaaacagac 900  
 accagcaaca agcgaaaaca gcaaaacgac actagcgaga caccacctgc acacaacacc 960



acagcccaac acagaggaca cgacaacaaa gagacagcac caacgacgaa 1010

<210> 213  
<211> 480  
<212> DNA  
<213> Homo sapiens

<400> 213  
gccaactccg gaggtctctgg tgctcggccc gggagcgcga gcgggaggag cagagacccg 60  
cagccgggag cccgagcgcg ggcgatgcag gctccgcgag cggcacctgc ggctcctcta 120  
agctacgacc gtcgtctccg cggcagcagc gcgggccccca gcagcctcgg cagccacagc 180  
cgctgcagcc ggggcagcct ccgctgctgt cgctcctctt gatgcgcttg ccctctcccg 240  
gccccgggac tccgggagaa tgtgggtcct aggcacgcgc gcaacttttt gcggattgtt 300  
cttgcttcca ggctttgcgc tgcaaatacca gtgctaccag tgtgaagaat tccagctgaa 360  
caacgactgc tctccccccg agttcattgt gaattgcacg gtgaacgttc aagacatgtg 420  
tgagaaagaa gtgatggagc aaagtgcgcg gatcatgtac cgcaagtcct gtgcatgac 480

<210> 214  
<211> 1897  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(1897)  
<223> n = A,T,C or G

<400> 214  
gccaactccg gaggtctctgg tgctcggccc gggagcgcga gcgggaggag cagagacccg 60  
cagccgggag cccgagcgcg ggcgatgcag gctccgcgag cggcacctgc ggctcctcta 120  
agctacgacc gtcgtctccg cggcagcagc gcgggccccca gcagcctcgg cagccacagc 180  
cgctgcagcc ggggcagcct ccgctgctgt cgctcctctt gatgcgcttg ccctctcccg 240  
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caacgactgc tctccccccg agttcattgt gaattgcacg gtgaacgttc aagacatgtg 420  
tcagaaagaa gtgatggagc aaagtgcgcg gatcatgtac cgcaagtcct gtgcatcatc 480  
agcggcctgt ctcacgcgct ctgcgggcta ccagtccttc tgctccccag ggaactgaa 540  
ctcagtttgc atcagctgct gcaacacccc tctttgtaac gggccaaggc ccaagaaaaag 600  
gggaagttct gcctcggccc tcaggccagg gctccgcacc accatcctgt tcctcaaatt 660  
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ttccagccct cgcctcccaac ccccccacct cctgagtgag tttcttcttg gtgtcctttt 780  
attctgggta gggagcggga gtccgtgttc tcttttggtc ctgtgcaaat aatgaaagag 840  
ctcggtaaaag cattctgaat aaattcagcy tgactgaatt ttcagtatgt acttgaagga 900  
aggaggtgga gtgaaagttc acccccatgt ctgtgttaacc ggagtcaagg ccaggctggc 960  
agagtcwgtc cttagaagtc actgaggtgg gcatctgcct tttgtaaagc ctccagtgtc 1020  
cattccatcc ctgatggggg catagtttga gactgcagag tgagagtgc gttttcttag 1080  
ggctggaggg ccagttccca ctcaaggctc cctcgcttga cattcaaact tcatgctcct 1140  
gaaaaccatt ctctgcagca gaattggctg gtttcgcgcc tgagttgggc tctagtgcct 1200  
cgagactcaa tgactgggac ttagactggg gctcggcctc gctctgaaaa gtgcttaaga 1260  
aaatcttctc agttctcctt gcagaggact ggcgcgggga cgcgaagagc aacgggcgct 1320  
gcacaaagcg ggcgctgtcg gtggtggagt gcgcatgtac gcgcaggcgc ttctcggtgt 1380  
tgccgtgctg cagcgacagg cggcagcaca gcacctgcac gaacacccgc cgaaactgct 1440  
gcgaggacac cgtgtacagg agcgggttga tgaccgagct gaggtagaaa aacgtctccg 1500  
agaaggggag gaggatcatg tacgcccggg agtaggacct cgtccagtcg tgcttggtgt 1560  
tgcccgagc catgatcctc cgaatctggt tgggcatacca gcatacggcc aatgtcacia 1620  
caatcagccc tgggcagaca cgagcaggag ggagagacag agaaaagaaa aacacagcat 1680  
gagaacacag taaatgaata aaaccataaa atatttagcc cctctgttct gtgcttactg 1740

```

gccaggaaat ggtaccaatt tttcagtgtt ggacttgaca gcttcttttg ccacaagcaa 1800
gagagaattt aacactgttt caaaccggg ggagttggct gtgttaaaga aagaccatta 1860
aatgcttttag acagtgtaaa aaaaaaaaaa aaaaaaa 1897

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<210> 215
<211> 141
<212> PRT
<213> Homo sapiens

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<400> 215
Met Trp Val Leu Gly Ile Ala Ala Thr Phe Cys Gly Leu Phe Leu Leu
      5                      10                      15

Pro Gly Phe Ala Leu Gln Ile Gln Cys Tyr Gln Cys Glu Glu Phe Gln
      20                      25                      30

Leu Asn Asn Asp Cys Ser Ser Pro Glu Phe Ile Val Asn Cys Thr Val
      35                      40                      45

Asn Val Gln Asp Met Cys Gln Lys Glu Val Met Glu Gln Ser Ala Gly
      50                      55                      60

Ile Met Tyr Arg Lys Ser Cys Ala Ser Ser Ala Ala Cys Leu Ile Ala
      65                      70                      75                      80

Ser Ala Gly Tyr Gln Ser Phe Cys Ser Pro Gly Lys Leu Asn Ser Val
      85                      90                      95

Cys Ile Ser Cys Cys Asn Thr Pro Leu Cys Asn Gly Pro Arg Pro Lys
      100                     105                     110

Lys Arg Gly Ser Ser Ala Ser Ala Leu Arg Pro Gly Leu Arg Thr Thr
      115                     120                     125

Ile Leu Phe Leu Lys Leu Ala Leu Phe Ser Ala His Cys
      130                     135                     140

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